

DOUGLAS AIRCRAFT CO.
DC-8 SIXTY SERIES
MAINTENANCE MANUAL

CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried on the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from zero to fourteen pallets. If bulk cargo is being carried, an aisle is provided along the left side by an aisle net and stanchions.
- B. All but two smoke detector pickups are located to the left of airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- C. The utility duct outlets must be closed whenever seats are removed, and in the all cargo configuration the toilet vent must be closed.
- D. Provisions for 25-man liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides at entrance and service doors.
 - (2) Aft double attendant's seat.
 - (3) Fixed emergency oxygen cylinders (two 111 cu. ft.) in aft drop ceiling.
 - (4) Galley units 3, 4, 5, and 6.
 - (5) Fixed first aid oxygen cylinder (one 111 cu. ft.) in aft drop ceiling.
 - (6) First aid kit in aft coatroom, left side.
 - (7) Fire extinguishers (one CO₂ and one H₂O) in aft coatroom, left side.
 - (8) Portable oxygen cylinders (one 11 cu. ft. with masks) in aft overhead storage racks.
 - (9) Provisions for two liferafts in aft drop ceiling.
 - (10) Type 1 emergency exits not usable.

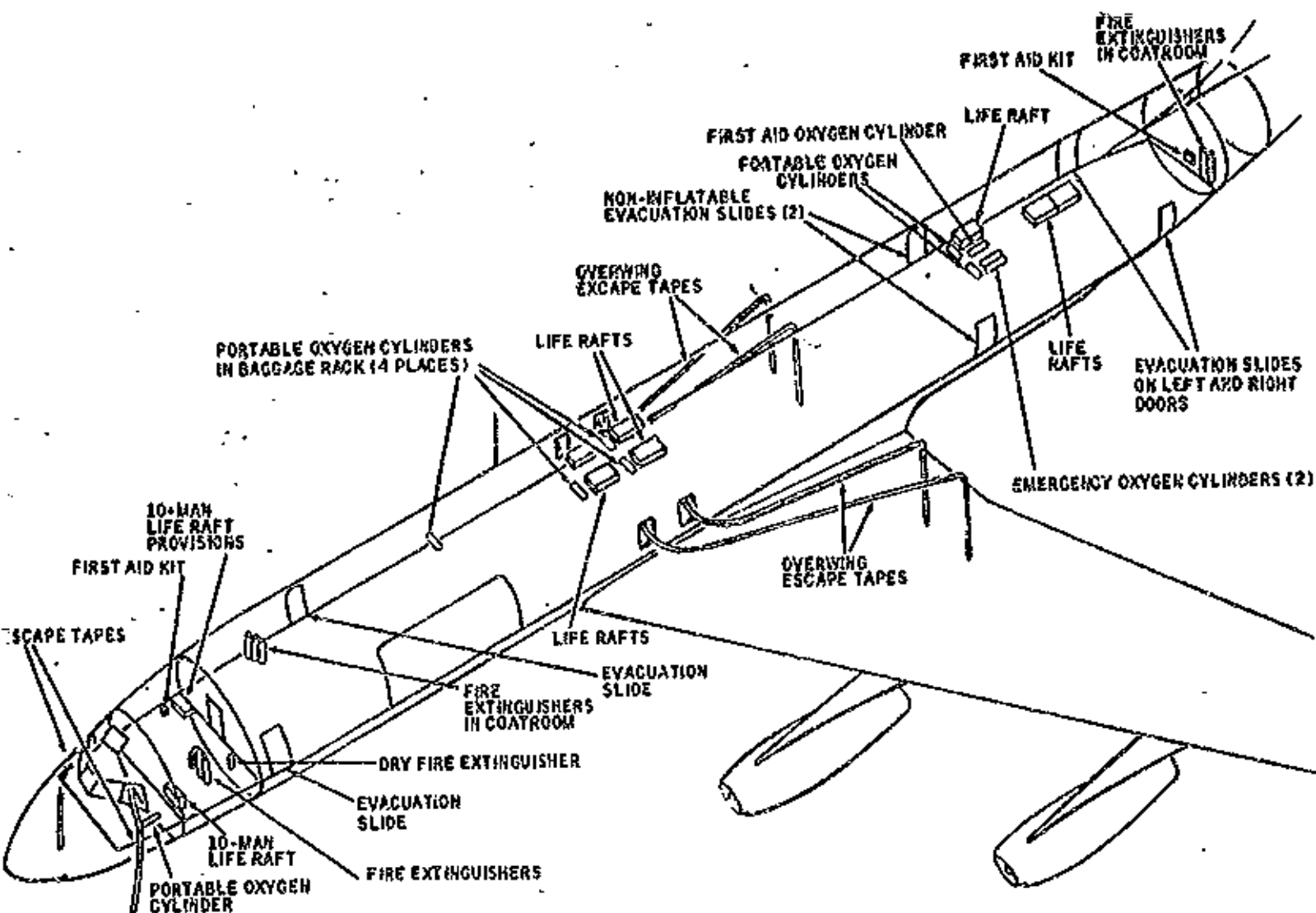
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- (11) Type 1 emergency exits usable; for seat clearance see Figure 202. Evacuation slides at Type 1 exits.
- (12) Four oxygen masks in overhead stowage racks (8 possible places).
- (13) Type III emergency exits usable; for seat clearance see Figure 202.
- (14) Fire extinguishers, two H_2O and one CO_2 , in forward compartment.
- (15) Double attendant's seat, forward.
- (16) Oxygen masks in overhead stowage rack, two places.
- (17) Forward cargo barrier and crew galley (see Figure 201). Fire extinguisher, dry with applicator, aft of radio rack. Provisions for one 10-man liferaft on floor near observer's station.
- (18) Movable passenger/cargo divider partition.
- (19) Portable oxygen (11 cu. ft.), provisions for one right side and two left side in bag rack near liferaft compartments. Also one in overhead stowage rack, right side.
- (20) Provisions for liferafts in removable compartments.
- (21) Galley unit No. 1, with oxygen masks for attendants.
- (22) Galley unit No. 2.
- (23) Smoke detector units (see Figures 201 and 203).
- (24) Close toilet vent outlet, located on bottom outer surface of skin near airplane centerline below aft lavatories (see Figure 205).
- (25) Plug in utility trays with adapters. One adapter required for each triple seat without another seat forward.

3. General Requirements for Conversion and Stowage of Cabin Equipment

- A. The cabin can provide seats for 156 passengers, or it has room for 14 pallets or nine combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing a 14-pallet loading system (excluding pallets) stowed in the lower cargo compartments. A portable toilet, courier seat, and supplemental courier seat may also be carried when necessary.

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Cargo/Passenger Conversion
 Figure 201 (Sheet 1 of 3)

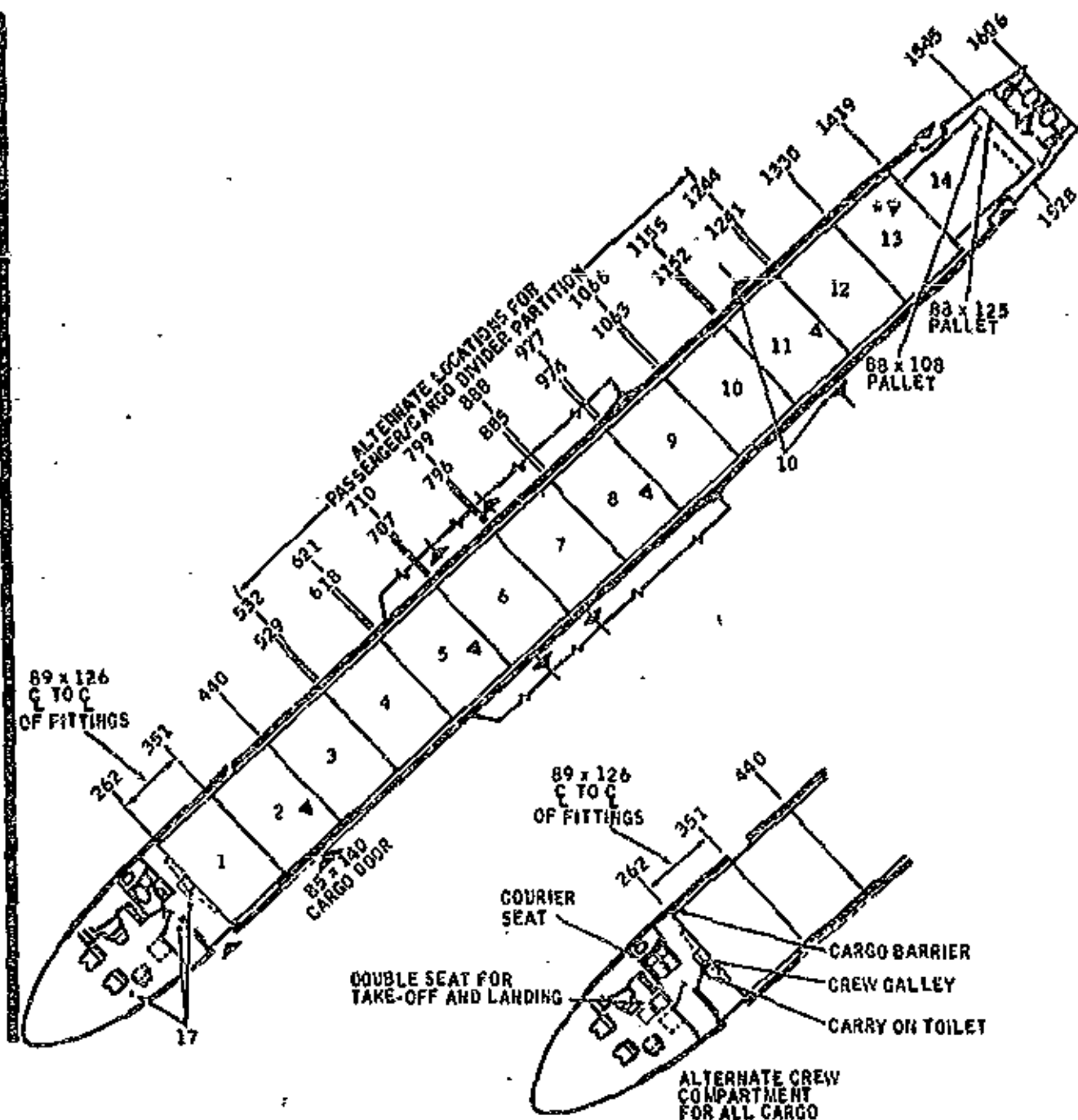
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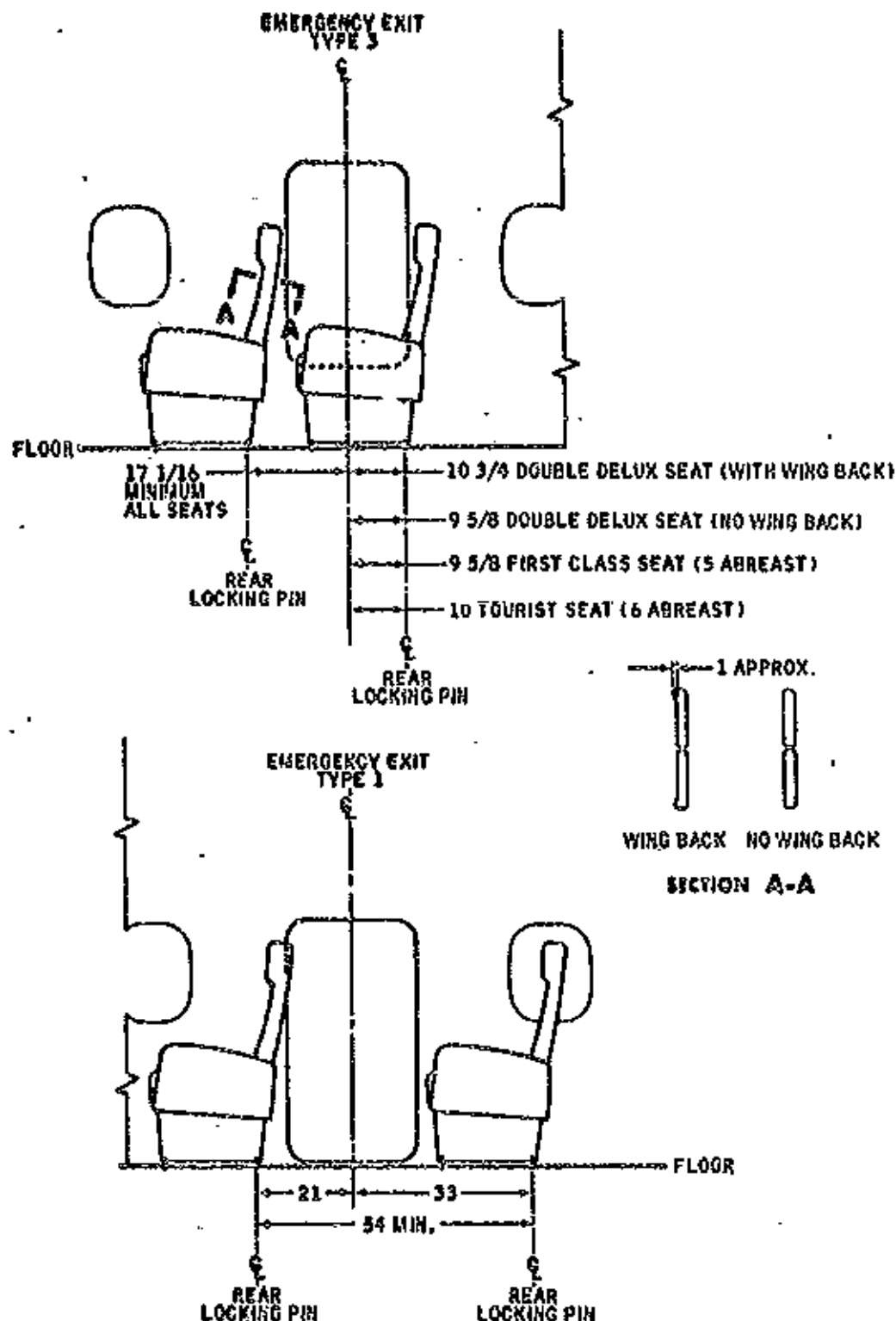


ALL CARGO (14 PALLETS)
 ITEMS REQUIRED: 17, 24, 25

▼ SMOKE DETECTOR UNITS
 * TWO SMOKE DETECTOR
 UNITS UNDER ONE COVER

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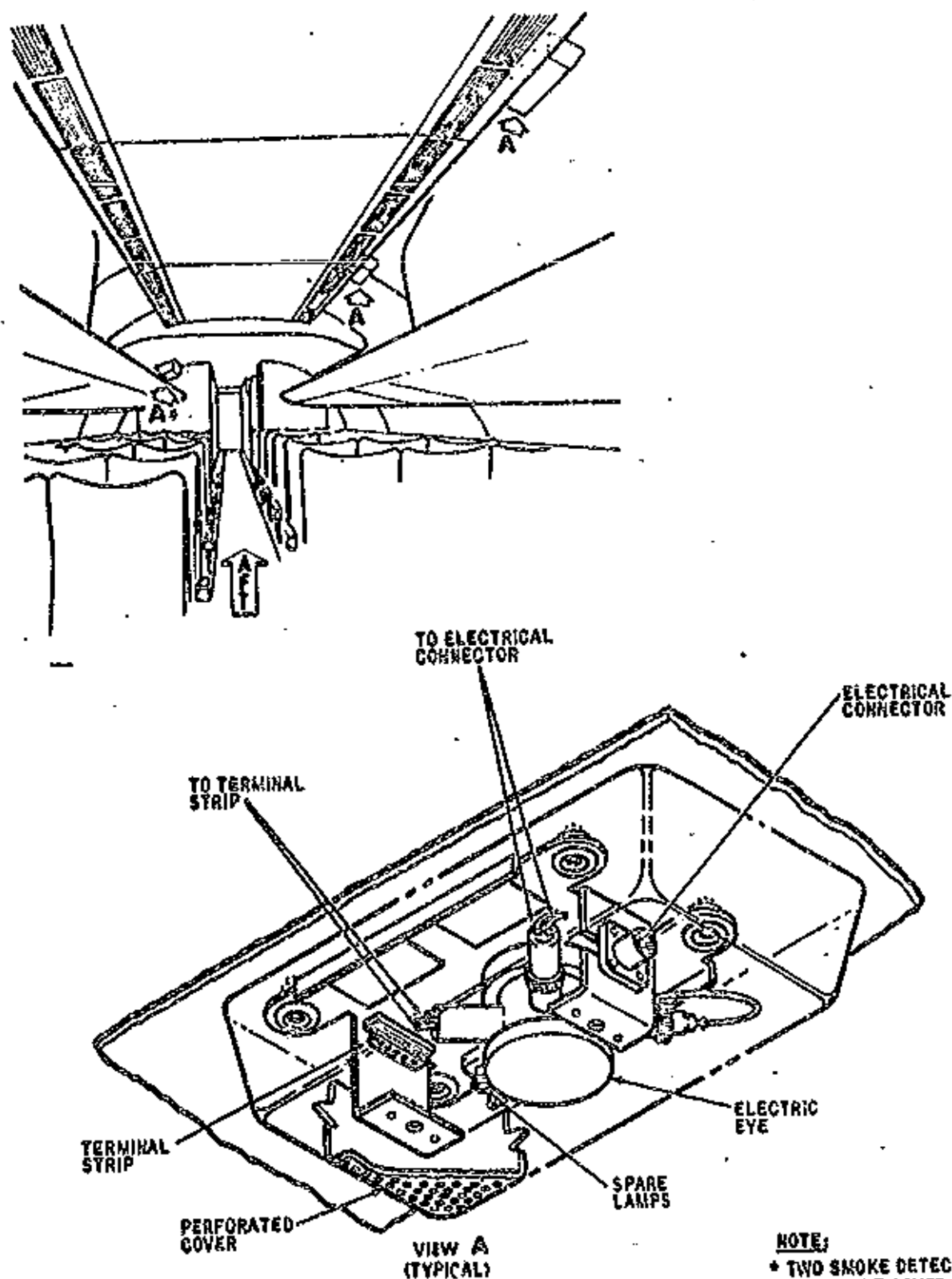


NOTE:

DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

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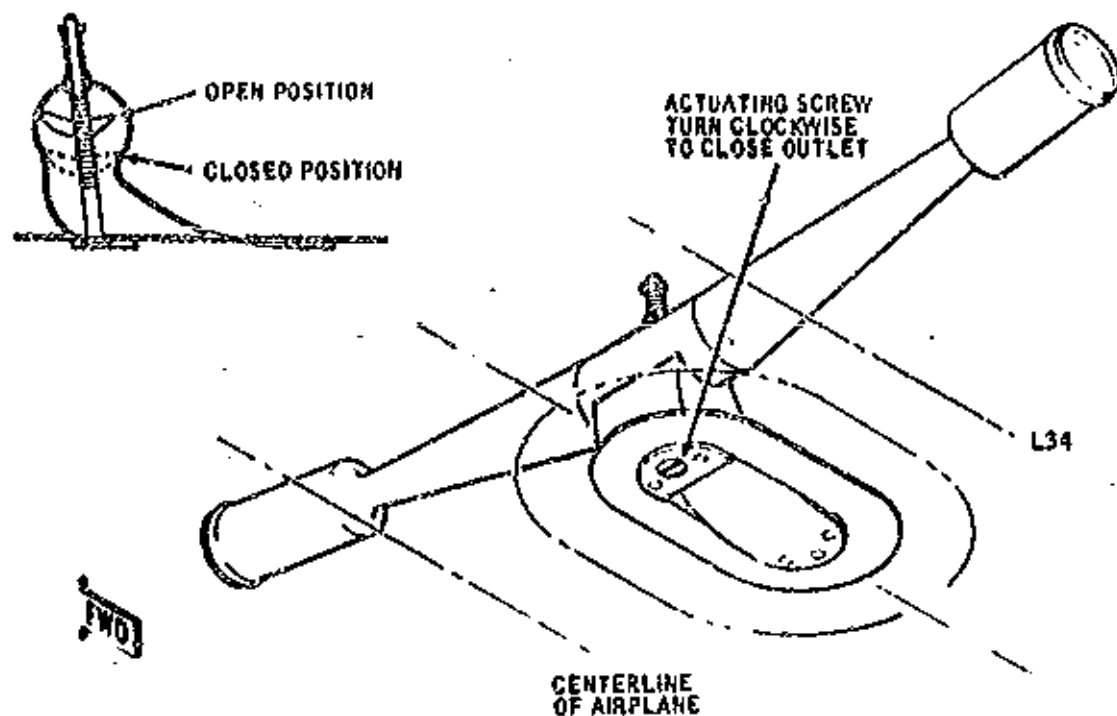
NOTE:
 * TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

Smoke Detector Pickups
 Figure 203

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Valve -- Aft Toilet Vent
Figure 205

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- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

4. Conversion and Stowage of Cabin Equipment

- A. Open galley service doors.
B. Position one fork lift or pallet loader at each galley service door.

NOTE: The fork lifts or pallet loaders used must have a vertical lift of 11 feet. If fork lifts are used, a 7 x 10 foot pallet should be used for unloading of seats and small pieces of equipment.

- C. Position small cloth bags and equipment bags for protection of seats at aft galley service door.
D. Recommended stations, work crews and assigned tasks.
(1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
(2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
(3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
(4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

NOTE: For maximum efficiency, crews No. 1 and 2 should work simultaneously and independently of crews No. 3 and 4.

5. Remove Cabin Equipment - Forward Section

- A. Remove evacuation slides from passenger entrance and galley service doors.
B. Fold down seat backs, disconnect leg from seat track, and remove seat.

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C. Remove windscreen located aft of forward passenger door.

D. Remove floor covering. (See 25-27-0.)

- (1) Remove thresholds, cover strips, and floor covering at flight compartment. Replace and tighten screws.
- (2) Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.
- (3) Remove thresholds, cover strips, and floor covering in area of forward galleys. Replace and tighten screws.

E. Convert upper cargo door. (See Chapter 52.)

- (1) Remove liners from bottom of door.
- (2) Remove snap-out panels from door.
- (3) Unlatch and open door.
- (4) Remove cover from smoke detector unit located over upper cargo door (see Figures 201 and 203).

F. Unload cabin equipment and position near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and positioned near the forward lower cargo compartment.

G. Remove portable oxygen cylinders from left and right bag racks and stow in aft lavatories.

H. Fold down and secure overhead stowage racks in area where seats have been removed (see 25-25-0).

NOTE: Remaining overhead stowage racks may be folded down as seats are removed.

I. Disconnect and remove galley No. 1 (see 25-30-0).

J. Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure bag to one section.

K. Disconnect and remove galley No. 2 (see 25-30-0).

L. Remove fire extinguishers and brackets from forward coatroom and stow in aft lavatories.

M. Disconnect and disassemble unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).

N. Disconnect and disassemble crew lavatory and inboard partition, if called for in cargo configuration.

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O. Stow toilet bowl assembly for crew lavatory in one of aft lavatories.

P. Install cargo loading system.

- (1) Install cargo loading system hardware for pallet positions No. 1 and No. 2.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

6. Remove Cabin Equipment - Aft Section

- A. Remove containers with evacuation slides from passenger entrance and galley service doors.
- B. Remove aisle and galley curtains and stow in aft lavatory.
- C. Disconnect and remove galley No. 4 (see 25-30-0).
- D. Remove fire extinguishers and brackets from aft side of galley No. 5 and stow in one of aft lavatories.
- E. Remove first aid kit, oxygen masks, coatroom shelf, and curtain from coatroom and stow in one aft lavatory.
- F. Remove partition, with attendants' seat, located forward of galley No. 5.
- G. Disconnect and remove galley No. 5 (see 25-30-0).
- H. Disassemble galley No. 5 into two sections. Place all hardware in a cloth bag and secure bag to one section.
- I. Disconnect and remove galley No. 6 (see 25-30-0).
- J. Disassemble galley No. 6 into two sections. Place all hardware in a cloth bag and secure to one section.
- K. Remove forward aft lavatory (see 25-40-0).

NOTE: If an 88 x 100-inch pallet is used in pallet position 14, the forward aft lavatory need not be removed. If an 88 x 125-inch pallet is used, remove the forward aft lavatory on the right side.

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- L. Fold down seat backs, disconnect leg from seat track and remove seat.
- M. Unload cabin equipment and position near forward lower cargo compartment.
NOTE: Other equipment may be unloaded as it is removed and positioned near the forward lower cargo compartment.
- N. Roll up carpet, placing plastic retaining strips inside rolls, and tie roll separately.
- O. Remove portable oxygen cylinders, with masks, from overhead stowage racks and stow in aft lavatory.
- P. Fold down and secure overhead stowage racks (see 25-25-0).
- Q. Remove liferaft compartment from bag rack, right side.
- R. Disconnect and remove galley No. 3 (see 25-30-0).
- S. Disassemble galley No. 3 into three sections. Place all hardware in a cloth bag and secure bag to one section.
- T. Remove screws in threshold and cover strips. Remove floor covering, replace and tighten screws.

7. Remove Cabin Equipment — Center Section

- A. Remove evacuation slides and containers from Type I emergency exit doors, right and left sides.
- B. Fold down seat backs, disconnect leg from seat track and remove seat.
- C. Unload cabin equipment and position near forward lower cargo compartment.
NOTE: Unload equipment and stow in aft lower cargo compartment.
- D. Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.

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- E. Remove portable oxygen cylinders from left and right bag racks and stow in aft lavatory.
- F. Fold down and secure overhead stowage racks (see 23-25-0).
- G. Remove liferaft compartments from right and left overhead stowage racks.
- H. Remove movable divider partition (see 25-24-0). Stow curtain in aft lavatory.

8. Remove Cargo Loading System Equipment Boxes

- A. Unload cargo equipment boxes from two racks in forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

- B. After cargo loading system has been removed install retaining straps on cargo equipment boxes. Position boxes near forward lower cargo compartment.
- C. Unload forward barrier net, crew galley if applicable, and cargo door cylinder. Position near forward upper cargo door.
- D. Unload cargo partition sections and hardware.

9. Install Crew Equipment and Facilities

- A. Install courier seat and supplemental seat, if called for in cargo configuration (see 25-11-4 and 25-11-5).
- B. Install crew galley and horizontal beam.
- C. Install barrier net.
- D. Install carry-on toilet, if called for in cargo configuration.

10. Load Cargo Loading System Equipment Boxes and Cabin Equipment

- A. Place cargo equipment boxes in forward lower cargo compartment.
- B. Stow cabin equipment in lower cargo compartments.

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11. Prepare for Cabin Conversion

- A. Open upper cargo door and galley service doors.
- B. Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7 x 10 foot pallet should be utilized for loading of seats and small equipment.

- C. Recommended stations, work crews, and task assignments (see paragraph 4).

12. Unload Lower Cargo Compartments

- A. Unload forward and aft lower cargo compartments and position equipment beside airplane near upper cargo door.
- B. Locate two equipment box storage racks in forward lower cargo compartment.
- C. Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

13. Remove Crew Protection and Convenience Equipment

- A. Remove barrier net.
- B. Remove crew galley and horizontal beam.
- C. Remove courier seat and supplemental seat, if applicable (see 25-11-4 and 25-11-5).
- D. Remove carry-on toilet, if applicable.

14. Remove Cargo Loading System

- A. Disconnect cargo loading system hardware from floor.
 - (1) Inspect for damage or wear.
 - (2) Pack in cargo equipment boxes.
- B. Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

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15. Load Forward Lower Cargo Compartment

- A. Load and secure cargo equipment boxes on storage racks in aft area of forward lower cargo compartment.
- B. Load and secure all loose equipment not utilized in an all-passenger configuration.

16. Install Cabin Equipment -- Aft Section

- A. Install floor covering.
 - (1) Remove screws for installation of thresholds and cover strips in flight compartment entrance and galley areas.
 - (2) Seal area to be covered with mylar.
 - (3) Attach fiberglass panels to mylar, using double-backed tape.
 - (4) After inserting floor covering under thresholds, attach floor covering to fiberglass panels with double-backed tape.
 - (5) Install thresholds and cover strips. Replace and tighten screws.
- B. Fasten two sections of galley No. 5 together and install galley (see 25-30-0).
- C. Fasten two sections of galley No. 6 together and install galley (see 25-30-0).
- D. Install forward aft lavatory if lavatory was removed to accommodate 88 x 125-inch pallet (see 25-40-0).
- E. Install galley No. 4 (see 25-30-0).
- F. Fasten three sections of galley No. 3 together and install galley (see 25-30-0).
- G. Install coatroom shelf and curtain aft of galley No. 5.
- H. Raise and secure overhead storage racks in aft section (see 25-25-0).
- I. Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- J. Install partition, with attendants' seat, forward of galley No. 5.
- K. Install aisle and galley curtains.

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- L. Install passenger seats (see 25-23-1).

NOTE: Install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

17. Install Cabin Equipment -- Center Section

- A. Install carpets, using retaining strip inside carpet rolls to secure carpet in place.
- B. Raise and secure overhead stowage racks (see 25-25-0).
- C. Install movable divider partition and curtain (see Figure 201).

18. Install Cabin Equipment -- Forward Section

- A. Install crew lavatory, if applicable.
- B. Assemble and install unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).
- C. Install floor coverings in doorway and galley areas.
- (1) Loosen screws in thresholds.
- (2) Seal area to be covered with mylar.
- (3) Attach fiberglass panels to mylar, using double-backed tape.
- (4) Insert floor covering under thresholds and attach floor covering to fiberglass with double-backed tape.
- (5) Tighten screws in thresholds.
- D. Install galley No. 1 (see 25-30-0).
- E. Install galley No. 2 (see 25-30-0).
- F. Raise and secure overhead stowage racks (see 25-25-0).
- G. Close and secure upper cargo door (see Chapter 52).
- (1) Install liners and snap-out panels.
- H. Install carpets, using retaining strips inside rolls to secure carpet in place.
- I. Install remaining seats (see 25-23-1).

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J. Install windscreen aft of forward passenger entrance door.

K. Install cover over smoke detector unit located above upper cargo door.

19. Install Emergency Equipment (See Figure 201.)

A. Install evacuation slides on forward and aft passenger entrance and galley service doors.

B. Install evacuation slides at Type I emergency exit doors.

C. Install liferaft compartments on overhead stowage racks.

D. Install first aid kit in aft coatroom.

E. Install fire extinguishers (one CO₂ and one H₂O) in aft coatroom.

F. Install portable oxygen cylinders and masks.

G. Install fire extinguishers (two H₂O and one CO₂) in forward coatroom.

H. Check to ensure that all emergency equipment is properly installed.

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried on the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from 3 to 18 pallets.
- B. Four Type I (Jetescape) emergency exits are located at floor level. Under many cargo/passenger configurations activation of these exits is required.
- C. In the all cargo configuration the toilet vents must be closed.
- D. All but two smoke detector pickups are located to the left of airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- E. Provisions for 25-man liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides at entrance and service doors.
 - (2) Aft double attendant's seat.
 - (3) Aft galley units.
 - (4) First aid kit in aft coatroom.
 - (5) Fire extinguishers (CO₂ and H₂O) in aft coatroom.
 - (6) Portable oxygen cylinders (with masks) in overhead stowage racks.
 - (7) Type I and Type III emergency exits not usable.
 - (8) Type I emergency exits usable; for seat clearance see Figure 202. Evacuation slides at Type I exits.
 - (9) Oxygen masks in overhead stowage racks.
 - (10) Type III emergency exits usable; for seat clearance see Figure 202.
 - (11) Fire extinguishers (H₂O and CO₂) in forward coatroom.

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- (12) Double attendant's seat, forward.
- (13) Forward cargo barrier net, crew galley, and carry-on toilet. Fire extinguisher, dry with applicator, at radio rack. Provisions for 10-man liferaft on floor near observer's station.
- (14) Movable cargo/passenger partition (cargo/passenger configurations only).
- (15) Provisions for 25-man liferafts in removable compartments, in stowage racks.
- (16) Galley unit No. 1, with oxygen masks for attendants.
- (17) Forward galley area ceiling panel with oxygen masks for attendants.
- (18) Galley unit No. 2.
- (19) Smoke detector units (see Figure 201 and 203).
- (20) Close toilet vent outlet, located on outer skin outboard of forward aft lavatory, by rotating cover plate 180 degrees.
- (21) Plug-in utility trays with adapters. One adapter required for each triple seat without another seat forward.
- (22) Courier seat and supplemental courier seat.

3. General Requirements for Conversion and Stowage of Cabin Equipment

- A. The cabin can provide seats for up to 250 passengers, or it has room for 18 pallets or several combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing an 18-pallet loading system (excluding pallets) stowed in the lower cargo compartments. A portable toilet, courier seat, and supplemental courier seat may also be carried when necessary.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

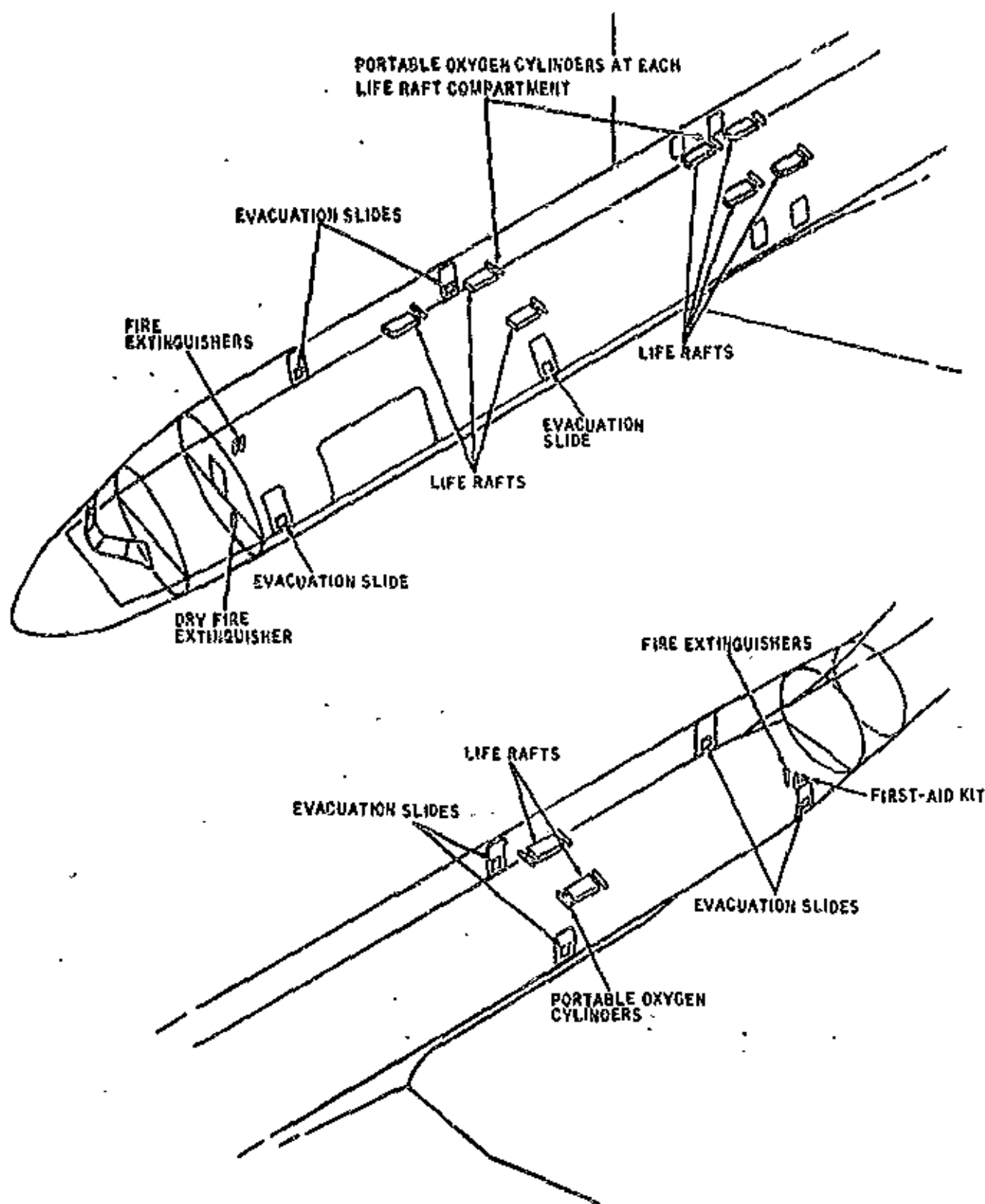
NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

4. Conversion and Stowage of Cabin Equipment

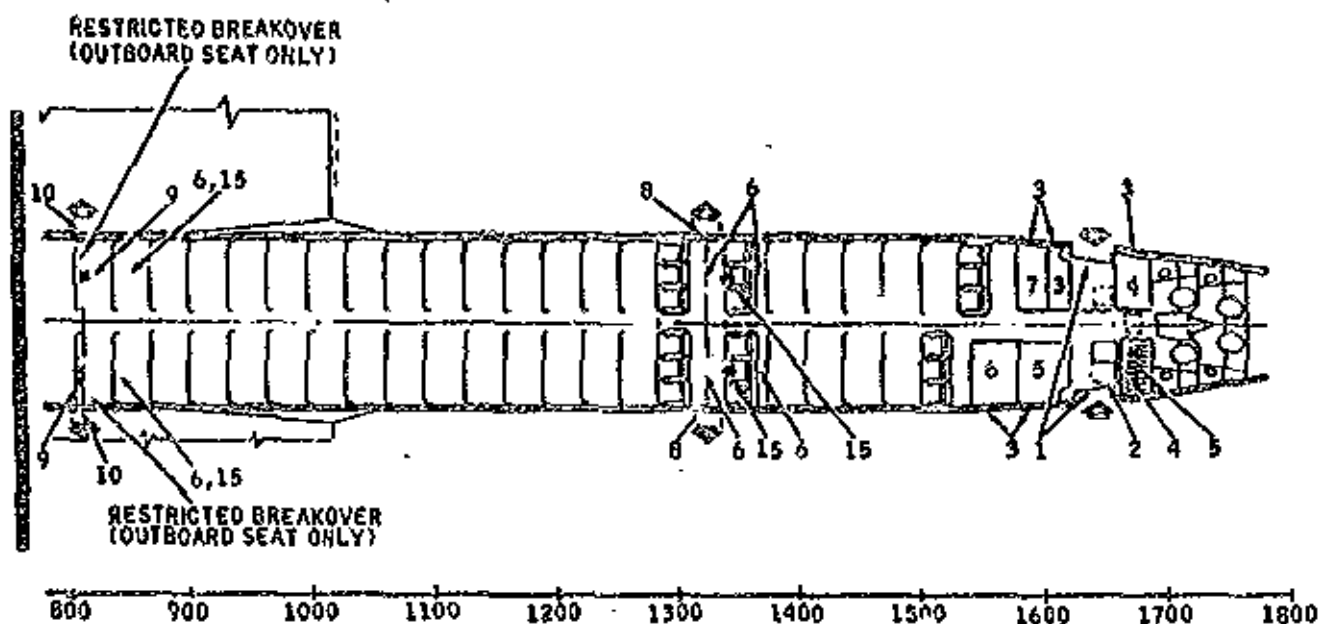
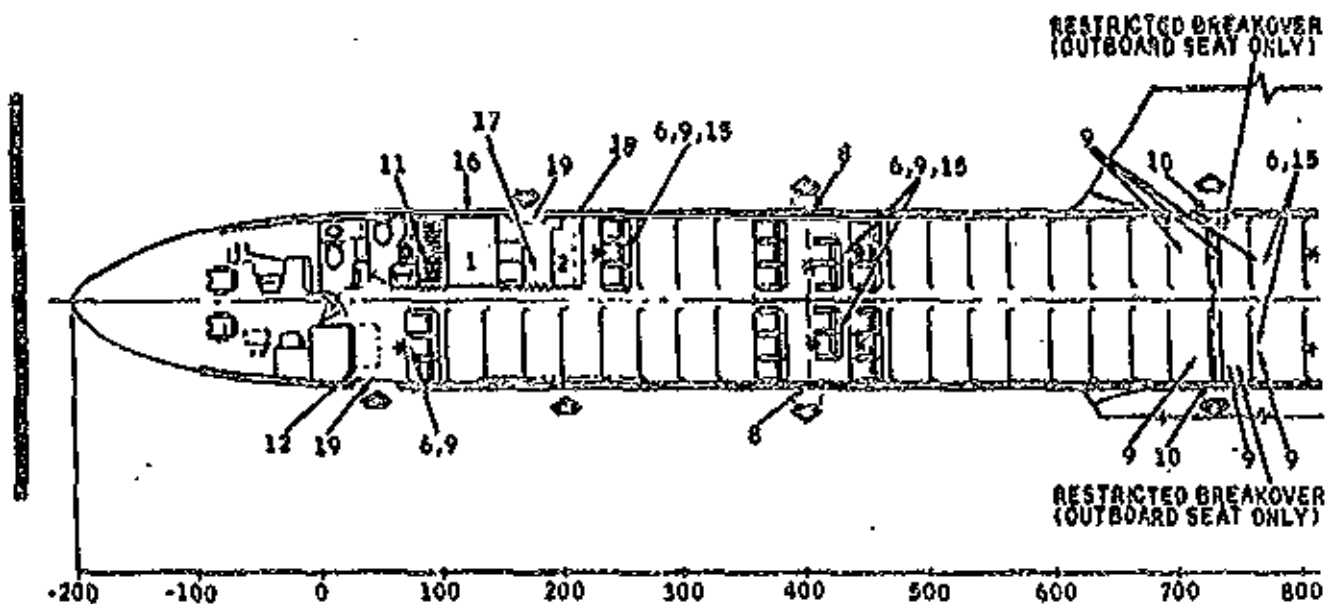
A. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.

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NOTE: * INDICATES PLUG-IN FOOD TRAYS,
 ITEM 22.

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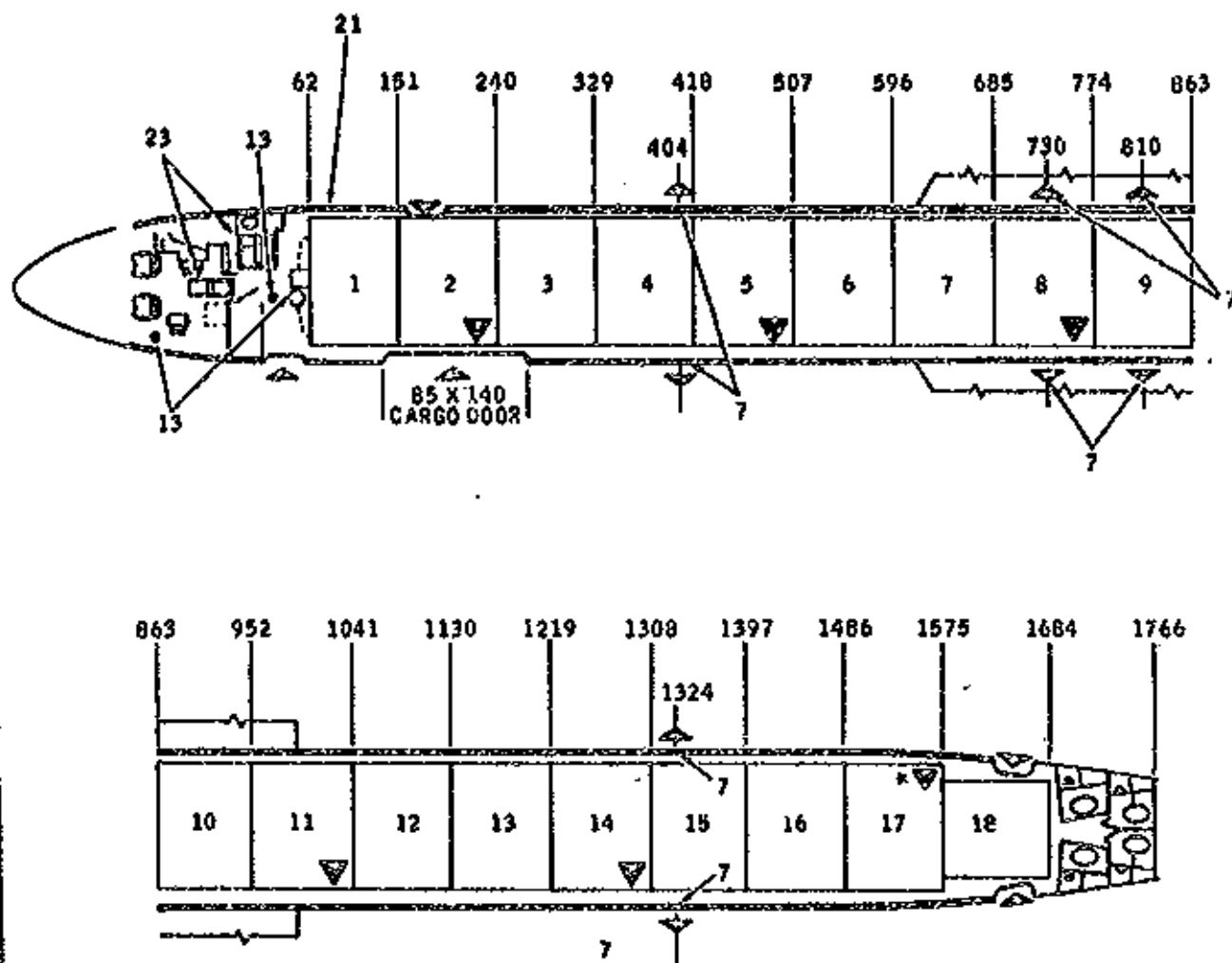
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Cargo/Passenger Conversion
 Figure 201 (Sheet 2 of 3)

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NOTE:

ALL CARGO (18 PALLETS)
 ITEMS REQUIRED: 13, 19, 20
 22

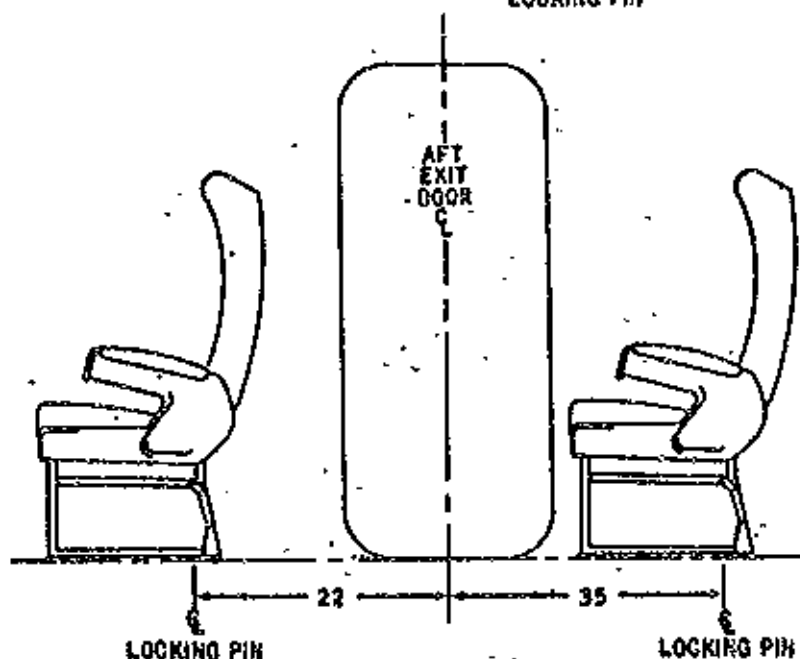
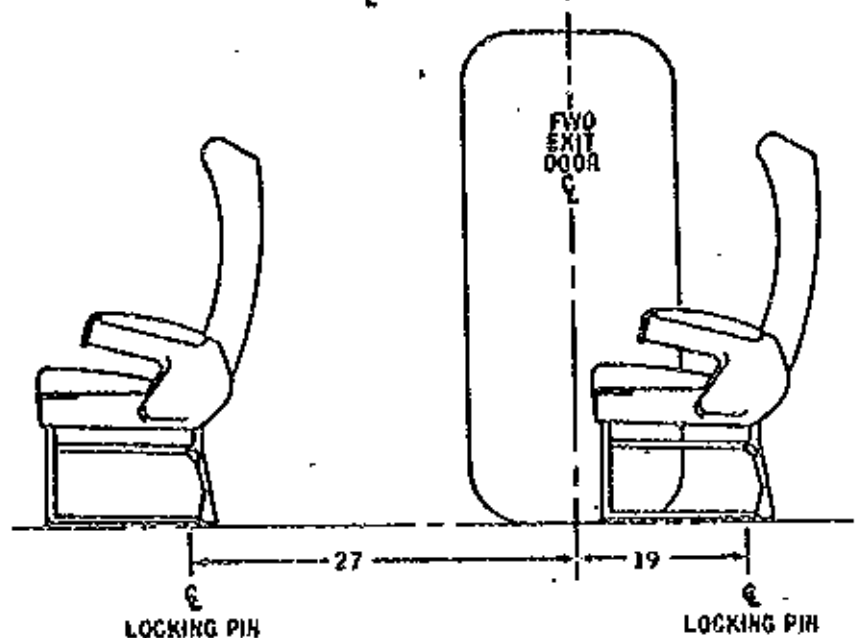
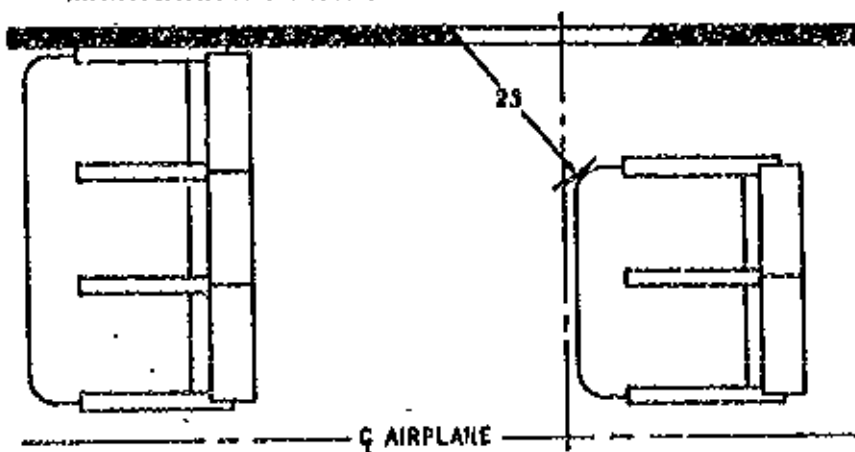
▽ SMOKE DETECTOR UNITS

* TWO SMOKE DETECTORS UNITS
 UNDER ONE COVER

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TYPE I
 EMERGENCY
 EXIT

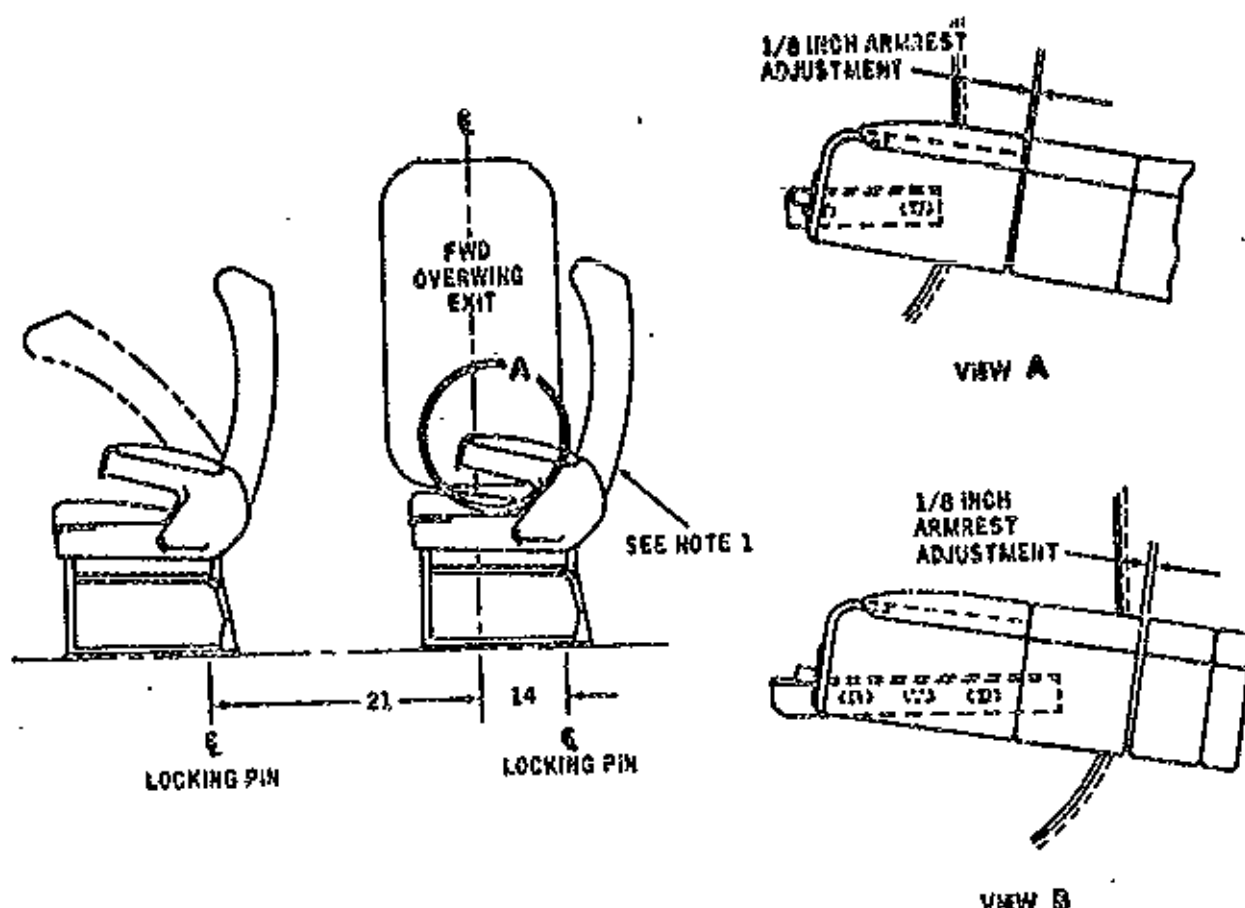


NOTE:
 DIMENSIONS NOTED ARE IN
 INCHES AND INDICATE THE
 MINIMUM DISTANCE FROM THE
 CENTER LINE OF THE EXIT TO
 THE CENTER LINE OF THE REAR
 LOCKING PIN. IF LOCKING PIN
 WILL NOT ENGAGE AT MINIMUM
 DISTANCE, SEAT MUST BE MOVED
 AWAY FROM EXIT TO NEXT
 INDEX POINT.

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TYPE III EMERGENCY EXIT

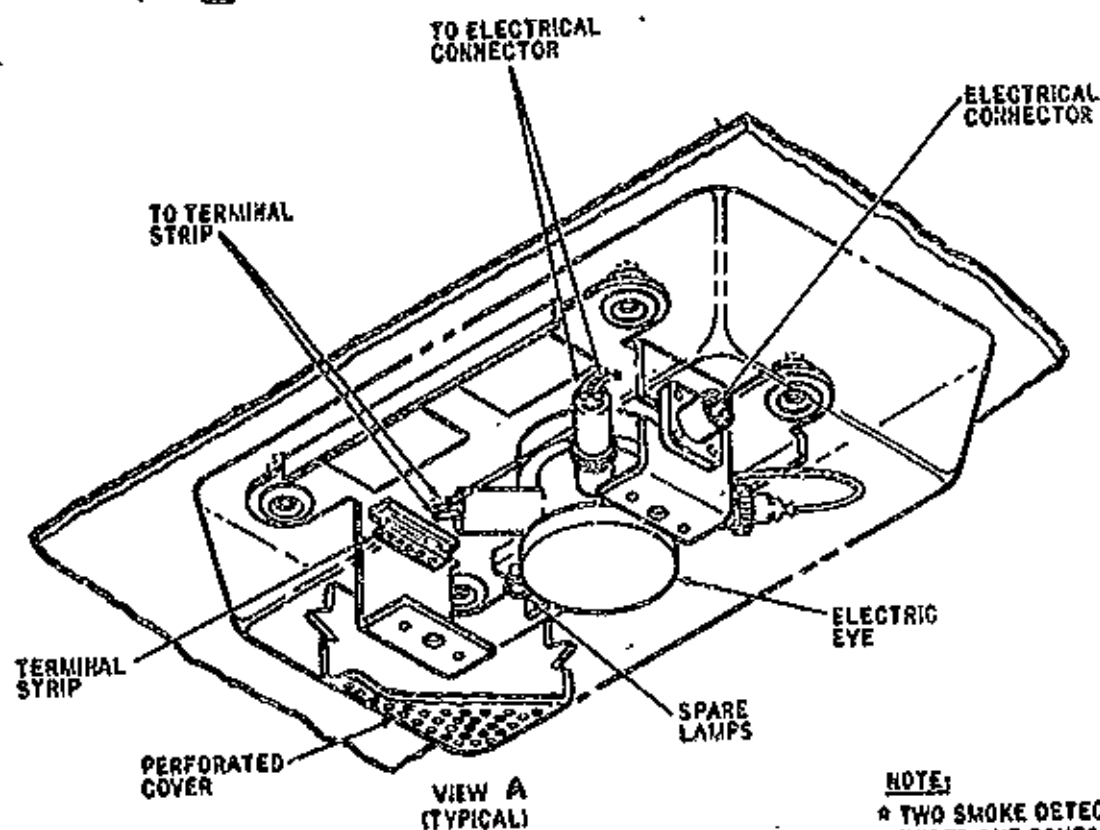
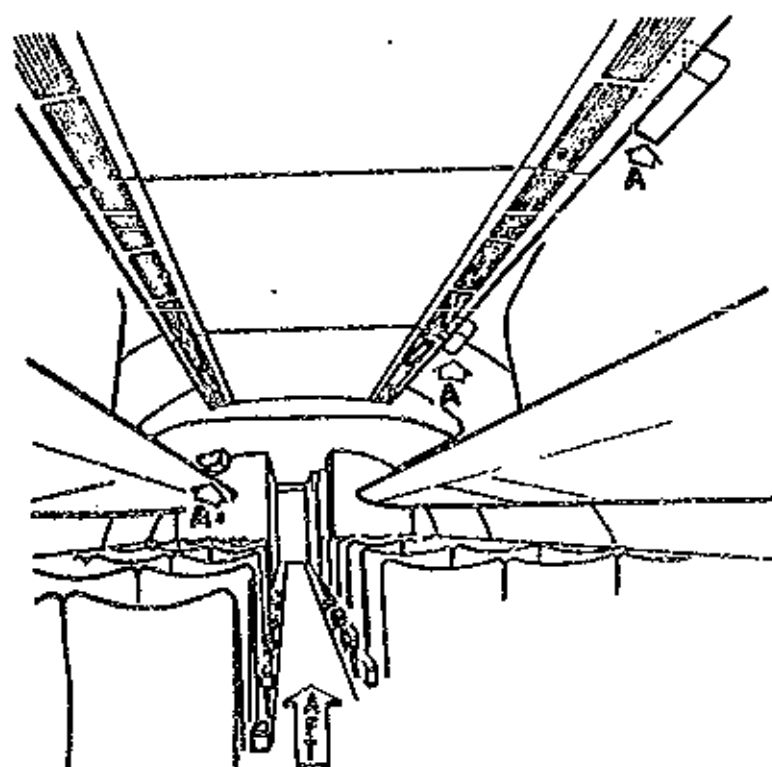


NOTES:

1. LOCK OUTBOARD BACK REST TO PREVENT BACK REST FROM FOLDING FORWARD INTO EMERGENCY EXIT OPENING.
2. DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

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NOTE:
 * TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

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- (2) Position one fork lift or pallet loader at each galley service door.

NOTE: The fork lifts or pallet loaders used must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.

B. Recommended Stations, Work Crews, and Assigned Tasks

- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
- (3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

NOTE: For maximum efficiency, crews No. 1 and 2 should work simultaneously and independently of crews No. 3 and 4.

C. Remove Cabin Equipment - Forward Section

- (1) Remove evacuation slides from passenger entrance and galley service doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seat.
- (3) Remove floor covering (see 25-27-0).
 - (a) Loosen threshold screws at cockpit entrance and remove floor covering. Tighten screws.
 - (b) Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in area of forward galleys.
- (4) Convert upper cargo door (see Chapter 52).
 - (a) Remove liners from bottom of door.
 - (b) Remove snap-out panels from door.
 - (c) Remove snap-on covers at floor and on cargo door jamb side panels forward and aft of cargo door.

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(d) Remove cargo door actuating cylinder cover.

(e) Unlatch and open door.

(5) Remove cover from smoke detector unit located above upper cargo door.

(6) Unload cabin equipment and position near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed. Place near the forward lower cargo compartment.

(7) Remove portable oxygen cylinders from left and right stowage racks and stow in aft lavatories.

(8) Fold down and secure overhead stowage racks in area where seats have been removed (see 25-25-0).

NOTE: Remaining overhead stowage racks may be folded down as seats are removed.

(9) Remove liferaft compartments with liferafts.

(10) Disconnect and remove galley No. 1 (see 25-30-0).

(11) Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure bag to one section.

(12) Disconnect and remove galley No. 2 (see 25-30-0).

(13) Remove ceiling panel covering water supply tanks (see 25-28-0).

(14) Remove forward water supply tanks (see Chapter 38).

(15) Remove fire extinguishers and brackets from forward coatroom and stow in aft lavatories.

(16) Disconnect and disassemble unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).

(17) Disconnect and disassemble forward lavatory and remove inboard partition, if called for in cargo configuration (see 25-40-0).

(18) Stow toilet bowl assembly for forward lavatory in one of aft lavatories.

(19) Install cargo loading system.

(a) Install cargo loading system hardware for pallet positions No. 1 and 2.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

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D. Remove Cabin Equipment - Aft Section

- (1) Remove containers with evacuation slides from passenger entrance and galley service doors.
- (2) Remove aisle and galley curtains and stow in aft lavatory.

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- (3) Disconnect and remove aft galleys (see 25-30-0).

NOTE: Disassemble galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to galley.

- (4) Remove fire extinguishers and brackets and stow in one of aft lavatories.
(5) Remove first aid kit, oxygen masks, coatroom shelf, and curtain from coatroom and stow in aft lavatory.

- (6) Remove partition with attendants' seat.

- (7) Fold down seat backs, disconnect legs from seat track, and remove seat.

- (8) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the forward lower cargo compartment.

- (9) Remove portable oxygen cylinders, with masks, from overhead stowage racks and stow in aft lavatory.

- (10) Remove liferaft compartments with liferafts.

- (11) Fold down and secure overhead stowage racks (see 25-25-0).

- (12) Loosen screws in threshold and cover strips. Remove floor covering and tighten screws.

- (13) Roll up carpet, placing plastic retaining strips inside rolls, and tie each roll separately.

K. Remove Cabin Equipment - Center Section

- (1) Remove evacuation slides and containers from Type I emergency exit doors.

- (2) Fold down seat backs, disconnect legs from seat track, and remove seat.

- (3) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the aft lower cargo compartment.

- (4) Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.

- (5) Remove liferaft compartments with liferafts.

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(6) Remove portable oxygen cylinders from left and right overhead stowage racks and stow in aft lavatory.

(7) Fold down and secure overhead stowage racks (see 25-25-0).

F. Remove Cargo Loading System Hardware

(1) Unload cargo equipment boxes from forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

(2) After cargo loading system has been removed from boxes, install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.

(3) Unload forward barrier net and crew galley if applicable. Place near forward upper cargo door.

(4) Unload cargo partition sections and hardware.

G. Install Crew Protection and Convenience Equipment

(1) Install courier seat and supplemental seat, if called for in cargo configuration (see 25-11-4 and 25-11-5).

(2) Install crew galley and horizontal beam.

(3) Install barrier net.

(4) Install carry-on toilet, if called for in cargo configuration.

H. Load Cargo Loading System Equipment Boxes and Cabin Equipment (Forward Lower Cargo Compartment)

(1) Place cargo equipment boxes in forward lower cargo compartment.

(2) Stow cabin equipment in lower cargo compartments.

I. Prepare for Cabin Conversion (Cargo to Passenger)

(1) Open upper cargo door and galley service doors.

(2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be utilized for loading of seats and small equipment.

(3) Recommended stations, work crews, and task assignment (see paragraph 4B).

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J. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

K. Remove Crew Protection and Convenience Equipment

- (1) Remove barrier net.
- (2) Remove crew galley and horizontal beam.
- (3) Remove courier seat and supplemental seat, if applicable (see 25-11-4 and 25-11-5).
- (4) Remove carry-on toilet, if applicable.

L. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect hardware for damage or wear.
 - (b) Pack in cargo equipment boxes.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

M. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

N. Install Cabin Equipment - Aft Section

- (1) Install floor covering.
 - (a) Loosen screws in thresholds.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-backed tape.
 - (d) After inserting floor covering under thresholds, attach floor covering to fiberglass panels with double-backed tape.
 - (e) Tighten screws in thresholds.

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- (2) Install aft galleys (see 25-30-0).
- (3) Install partition with attendants' seat.
- (4) Install aft coatroom shelf and curtain.
- (5) Raise and connect overhead stowage racks (see 25-25-0).
- (6) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (7) Install aisle and galley curtains.
- (8) Install passenger seats (see 25-23-1).

NOTE: Begin to install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

O. Install Cabin Equipment - Center Section

- (1) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (2) Raise and connect overhead stowage racks (see 25-25-0).

P. Install Cabin Equipment - Forward Section

- (1) Install forward lavatory, if applicable.
- (2) Assemble and install unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).
- (3) Install floor coverings in doorway and galley areas.
 - (a) Loosen screws in thresholds.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-backed tape.
 - (d) Insert floor covering under thresholds and attach floor covering to fiberglass with double-backed tape.
 - (e) Tighten screws in thresholds.
- (4) Install forward water supply tanks (see Chapter 38).
- (5) Install ceiling panel under water supply tanks (see 25-28-0).
- (6) Install galley No. 1 (see 25-30-0).

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- (7) Install galley No. 2 (see 25-30-0).
- (8) Install smoke detector unit cover.
- (9) Raise and connect overhead stowage racks (see 25-25-0).
- (10) Install carpets, using retaining strips inside rolls to secure carpet in place.
- (11) Install remaining seats (see 25-23-1).
- (12) Close and secure upper cargo door (see Chapter 52).
 - (a) Install liners and snap-out panels.
- (13) Install coatroom and aisle curtains.

Q. Install Emergency Equipment (see Figure 201)

- (1) Install evacuation slides on forward and aft passenger entrance and galley service doors.
- (2) Install evacuation slides at Type I emergency exit doors.
- (3) Install liferaft compartments on overhead stowage racks.
- (4) Install first aid kit in aft coatroom.
- (5) Install fire extinguishers (CO₂ and H₂O) in aft coatroom.
- (6) Install portable oxygen cylinders and masks adjacent to liferaft compartments.
- (7) Install fire extinguishers (H₂O and CO₂) in forward coatroom.
- (8) Check to ensure that all emergency equipment is in place.

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or all cargo configuration, or with many cargo/passenger combinations. All equipment necessary for conversions may be carried on the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from zero to thirteen pallets (or bulk cargo). If bulk cargo is being carried, an aisle is provided along the left side by an aisle net and stanchions.
- B. Two Type I Emergency Exits are located aft of the wing area at floor level. Under many cargo/passenger configurations activation of these exits is required.
- C. The utility duct outlets must be closed wherever seats are removed, and in the all cargo configuration the toilet vents must be closed.
- D. Smoke detector pickups are located in the cargo area and under certain configurations it is necessary to cap one of the aft pickups.
- E. Provisions for 25-man liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion Items Required

- A. The following listed required conversion items are referenced in the accompanying illustrations:
 - (1) Inflatable slides (one at aft entrance door and one at aft service door).
 - (2) Galleys, forward and aft of aft service door.
 - (3) First aid kit (1), fixed first aid oxygen (one, 73 Cu. Ft.), fire extinguishers (two, H₂O), portable oxygen (two, 7 Cu. Ft.), in aft double coatroom.
 - (4) Oxygen masks, in partition by aft attendant's seat.
 - (5) Attendant's seat (aft).
 - (6) Fixed emergency oxygen (two, 73 Cu. Ft.) in aft drop ceiling.
 - (7) Liferaft compartments (two, 25-man) in aft drop ceiling.
 - (8) Galley, forward of aft entrance door.
 - (9) Fire extinguisher, (one, H₂O) aft single coatroom.

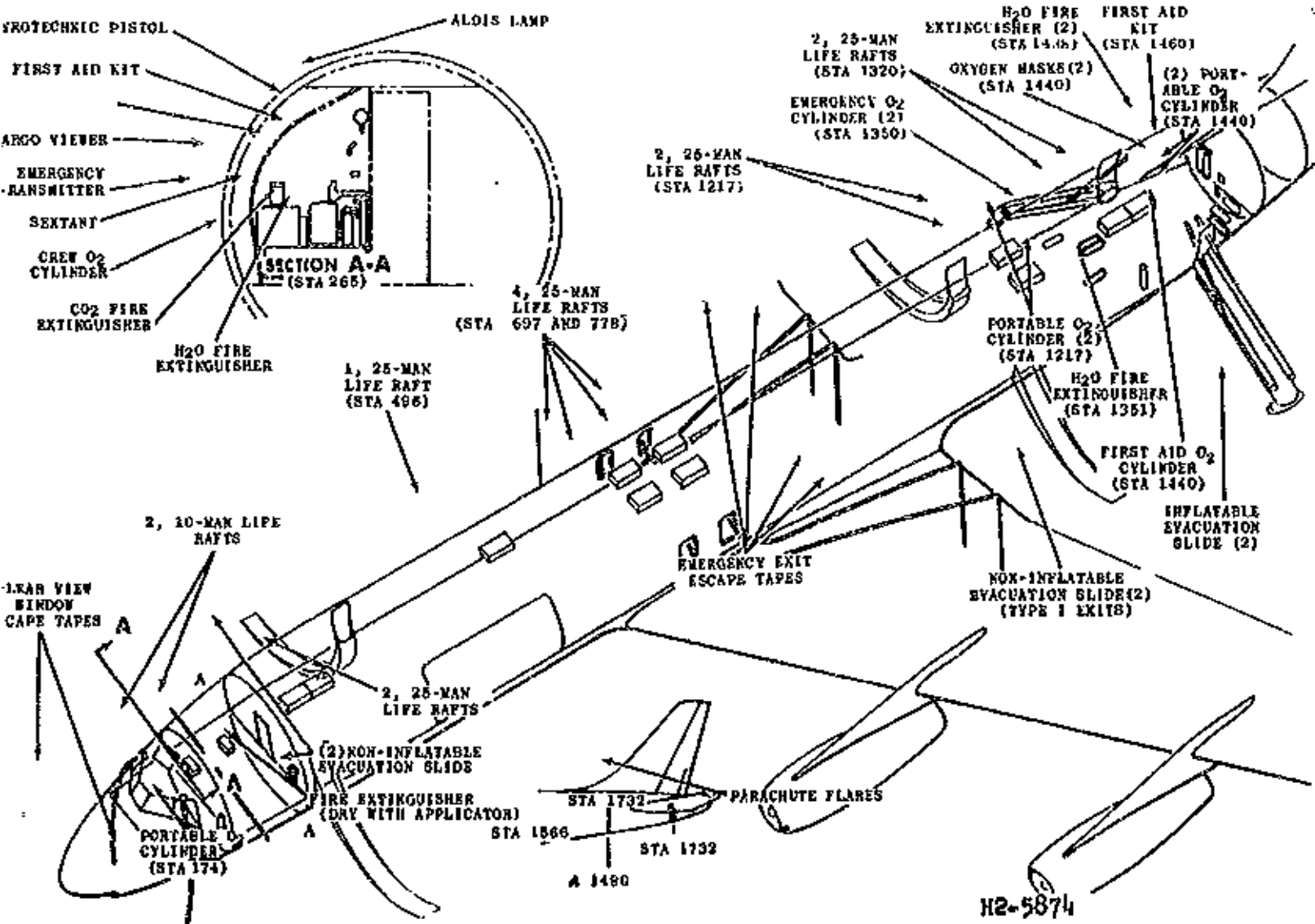
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- (10) Portable oxygen (two, 7 Cu. Ft.) in stowage rack aft of Type I emergency exits.
- (11) Liferaft compartments (two, 25-man) in stowage rack aft of Type I emergency exits.
- (12) Type I Exits usable (for seat clearance see Figure 201, Sheet 6). Non-inflatable slides at each Type I Exit.
- (13) Type I Exits not usable. All external and internal markings deleted.
- (14) Type III Exits not usable. All external and internal markings deleted.
- (15) Type III Exits usable, (for seat clearance see Figure 201, Sheet 6).
- (16) Liferaft compartments (four, 25-man) one at each Type III Exit.
- (17) Liferaft compartment (one, 25-man) in stowage rack aft of forward service door.
- (18) Non-inflatable slides (one at forward service door, one at forward entrance door).
- (19) Liferaft (one, 10-man) in forward cockpit, fire extinguishers (one, H₂O and one, CO₂), first aid kit, pyrotechnic piston, hand ax, aldis lamp, emergency transmitter.
- (20) Crew galley, on forward side of cargo barrier.
- (21) Forward cargo restraint barrier.
- (22) Utility trays with adapters (one adapter each triple seat).
- (23) Cargo aisle net (used with bulk cargo only).

WARNING: UTILITY DUCT OUTLETS MUST BE CLOSED WHEN SEATS ARE REMOVED (SEE FIGURE 202).

- (24) Movable cargo barrier.
- (25) Attendant's seat (forward).
- (26) Liferaft (one, 10-man) on floor in flight compartment, right side.
- (27) Portable oxygen (one, 11 Cu. Ft.) to left of captain's seat.
- (28) Cap smoke detector pickup (see Figure 201, Sheet 7).
- (29) Close toilet vent outlet, located below lavatories on bottom outer surface of skin near airplane centerline. Turn clockwise to close outlet (see Figure 203).
- (30) Fire extinguisher (one, dry with applicator).

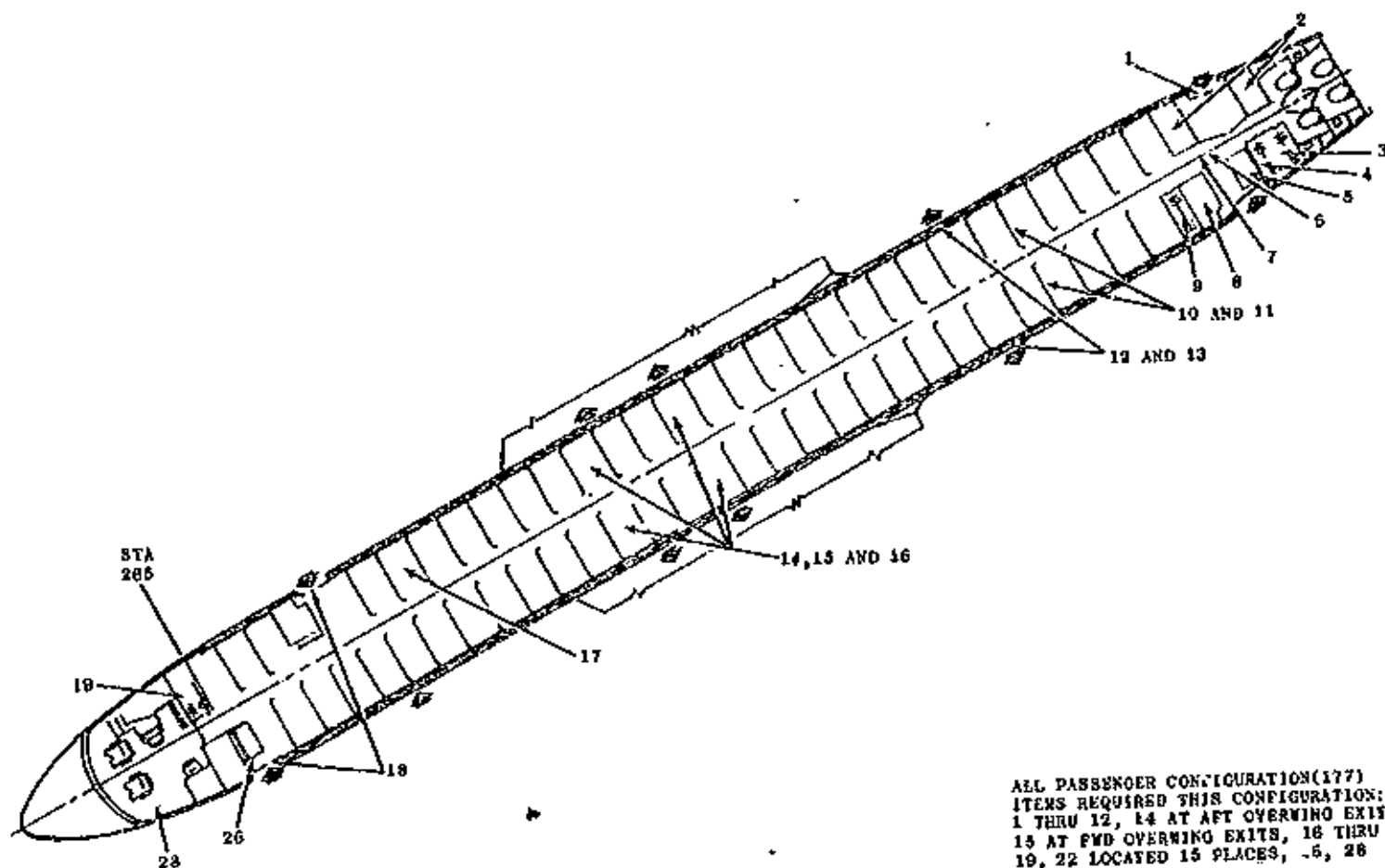
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Cargo/Passenger Conversion -- (DC-8F-50)
 Figure 201 (Sheet 1 of 7)

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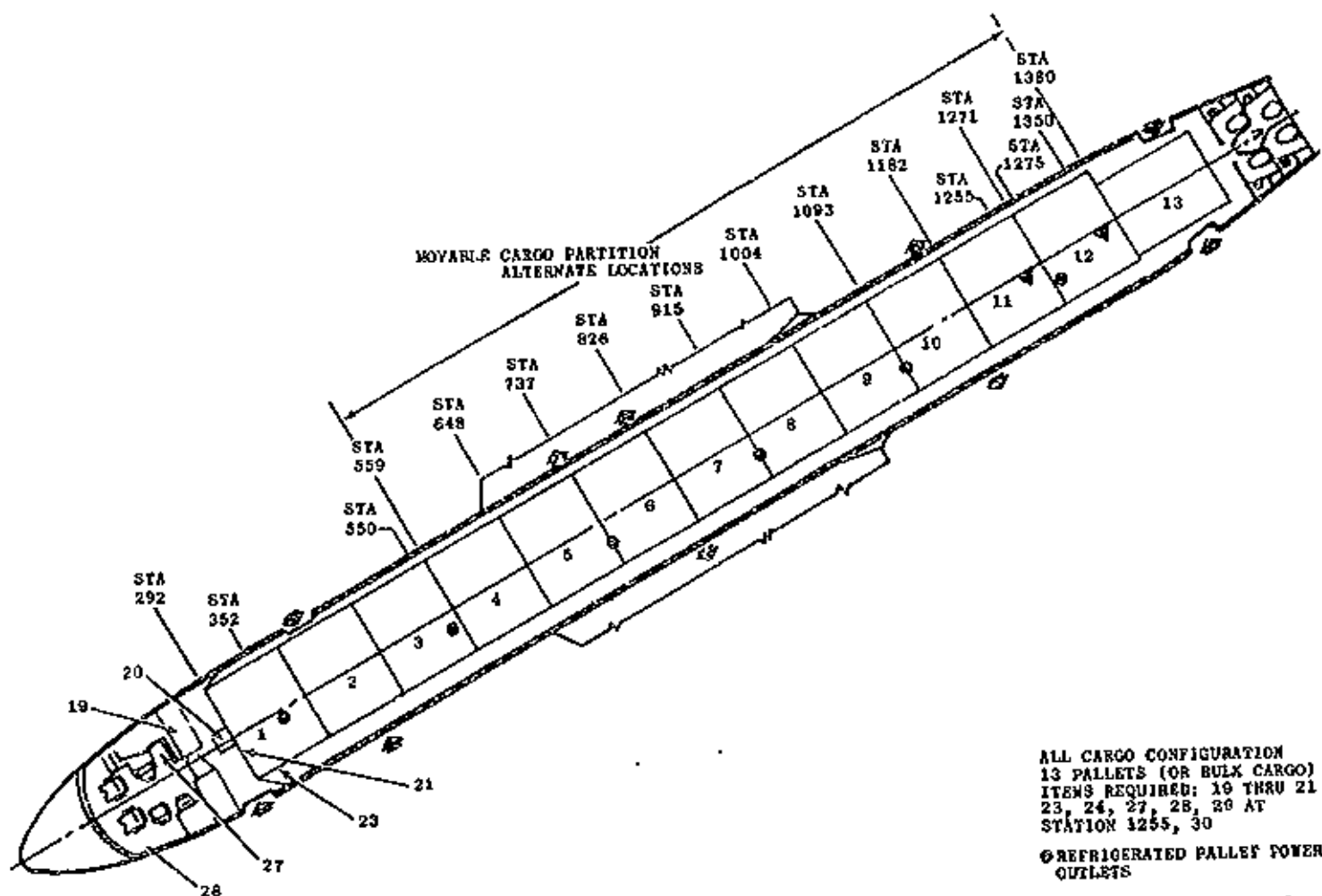
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ALL PASSENGER CONFIGURATION(177)
 ITEMS REQUIRED THIS CONFIGURATION:
 1 THRU 12, 14 AT AFT OVERWING EXITS,
 15 AT FWD OVERWING EXITS, 16 THRU
 19, 22 LOCATED 15 PLACES, 20, 26

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ALL CARGO CONFIGURATION
 13 PALLETS (OR BULK CARGO)
 ITEMS REQUIRED: 19 THRU 21
 23, 24, 27, 28, 30 AT
 STATION 1255, 30

○ REFRIGERATED PALLET POWER
 OUTLETS

▼ SMOKE DETECTOR PICKUPS

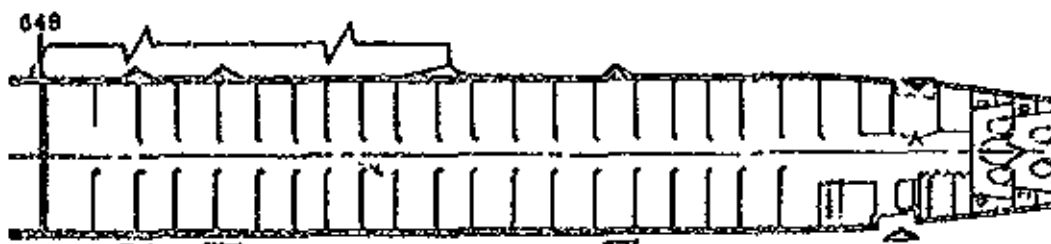
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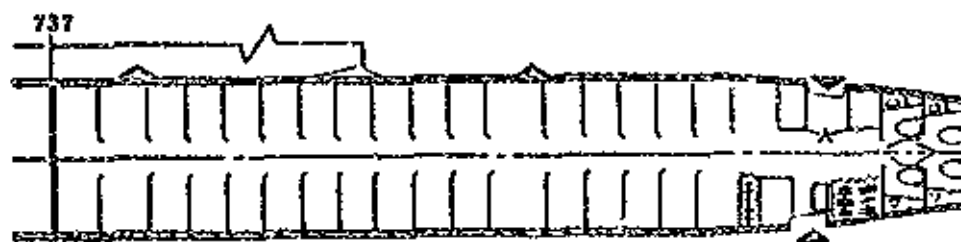


135 PASSENGERS AND 2 PALLETS (OR BULK CARGO) ITEMS REQUIRED: 1 THROUGH 12, 14 AT FORWARD OVERWING EXITS, 15 AT AFT OVERWING EXITS, 16, 19 THROUGH 21, 22 LOCATED 12 PLACES, 23, 24, 25 AT STATION 524, 26, 27, 29 AT STATION 1350, 31

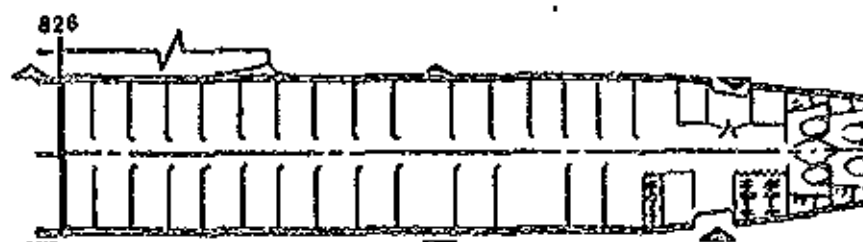
NOTE: 25 RELOCATED FROM STATION 265 LH SIDE TO AFT SIDE CARGO PARTITION



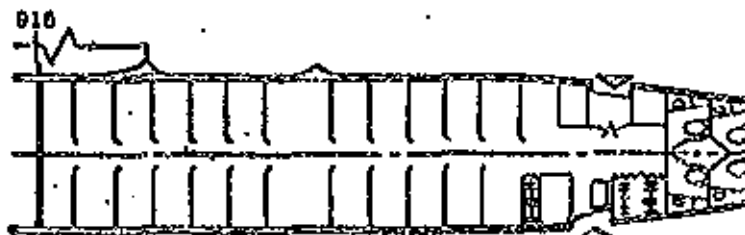
117 PASSENGERS AND 4 PALLETS (OR BULK CARGO) ITEMS REQUIRED: 1 THROUGH 11, 13, 15-18 AT OVERWING EXITS, 19 THROUGH 21, 22 LOCATED 6 PLACES, 23, 24, 25 AT STATION 648, 26, 27, 28, 29 AT 1350, 31



99 PASSENGERS AND 5 PALLETS (OR BULK CARGO) ITEMS REQUIRED: 1 THROUGH 12, 15-18 AT AFT OVERWING EXITS, 19 THROUGH 21, 22 LOCATED 12 PLACES, 23, 24, 25 AT STATION 737, 27, 28, 29 AT 1350, 31



67 PASSENGERS AND 6 PALLETS (OR BULK CARGO) ITEMS REQUIRED: 1 THROUGH 12, 19 THROUGH 21, 22 LOCATED 12 PLACES, 23, 24, 25 AT STATION 826, 27, 28, 29 AT 1350, 31



69 PASSENGERS AND 7 PALLETS (OR BULK CARGO) ITEMS REQUIRED: 1 THROUGH 12, 19 THROUGH 21, 22 LOCATED 12 PLACES, 23, 24, 25 AT STATION 918, 27, 28, 29 AT 1350, 31

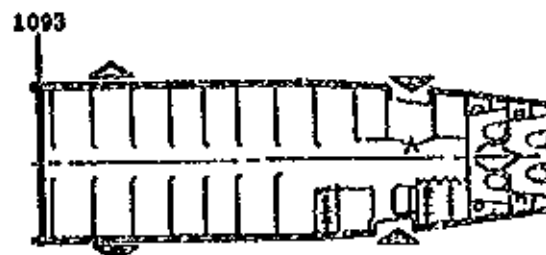
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54 PASSENGERS AND 8 PALLETS (OR BULK CARGO)
 ITEMS REQUIRED: 1 THROUGH 7, 10, 11, 12,
 19 THROUGH 21, 22, 12 PLACES, 23, 24, 25
 AT STATION 1004, 27, 28, 29 AT 1360, 31



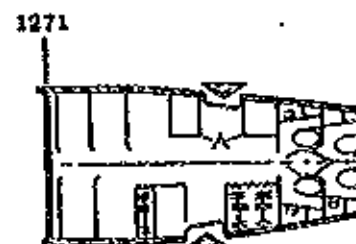
42 PASSENGERS AND 9 PALLETS (OR BULK CARGO)
 ITEMS REQUIRED: 1 THROUGH 7, 12, 19 THROUGH
 21, 22, 12 PLACES, 23, 24, 25 AT STATION
 1093, 27, 28, 29 AT 1360, 31



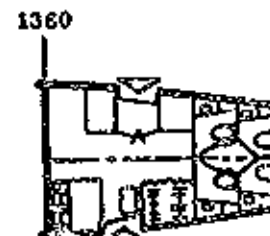
30 PASSENGERS AND 10 PALLETS (OR BULK CARGO)
 ITEMS REQUIRED: 1 THROUGH 7, 19 THROUGH 21, 22,
 6 PLACES, 23, 24, 25 AT STATION 1182, 27, 28, 29
 AT 1350, 31



12 PASSENGERS AND 11 PALLETS (OR BULK CARGO)
 ITEMS REQUIRED: 1 THROUGH 7, 19 THROUGH 21, 22,
 6 PLACES, 23, 24, 25 AT STATION 1271, 27, 28, 29
 AT STATION 1350, 31

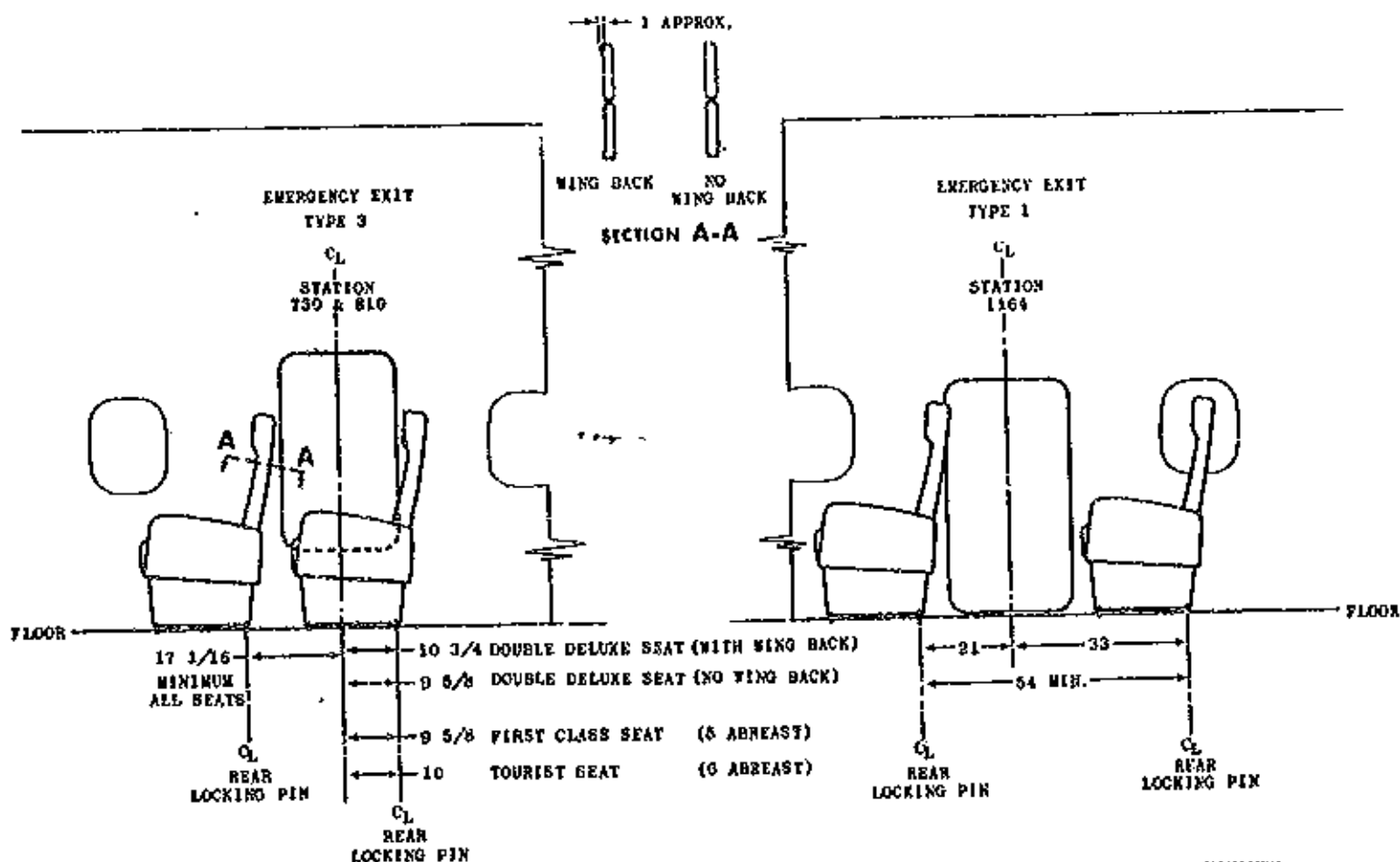


ALL CARGO (12 PALLETS OR BULK CARGO) ITEMS REQUIRED:
 19 THROUGH 21, 23, 24, 25 AT STATION 1360 (OPTIONAL),
 27, 28, 29 AT STATION 1260, 30, 31 (29 AT STATION 1360
 WHEN ITEM 25 IS USED)



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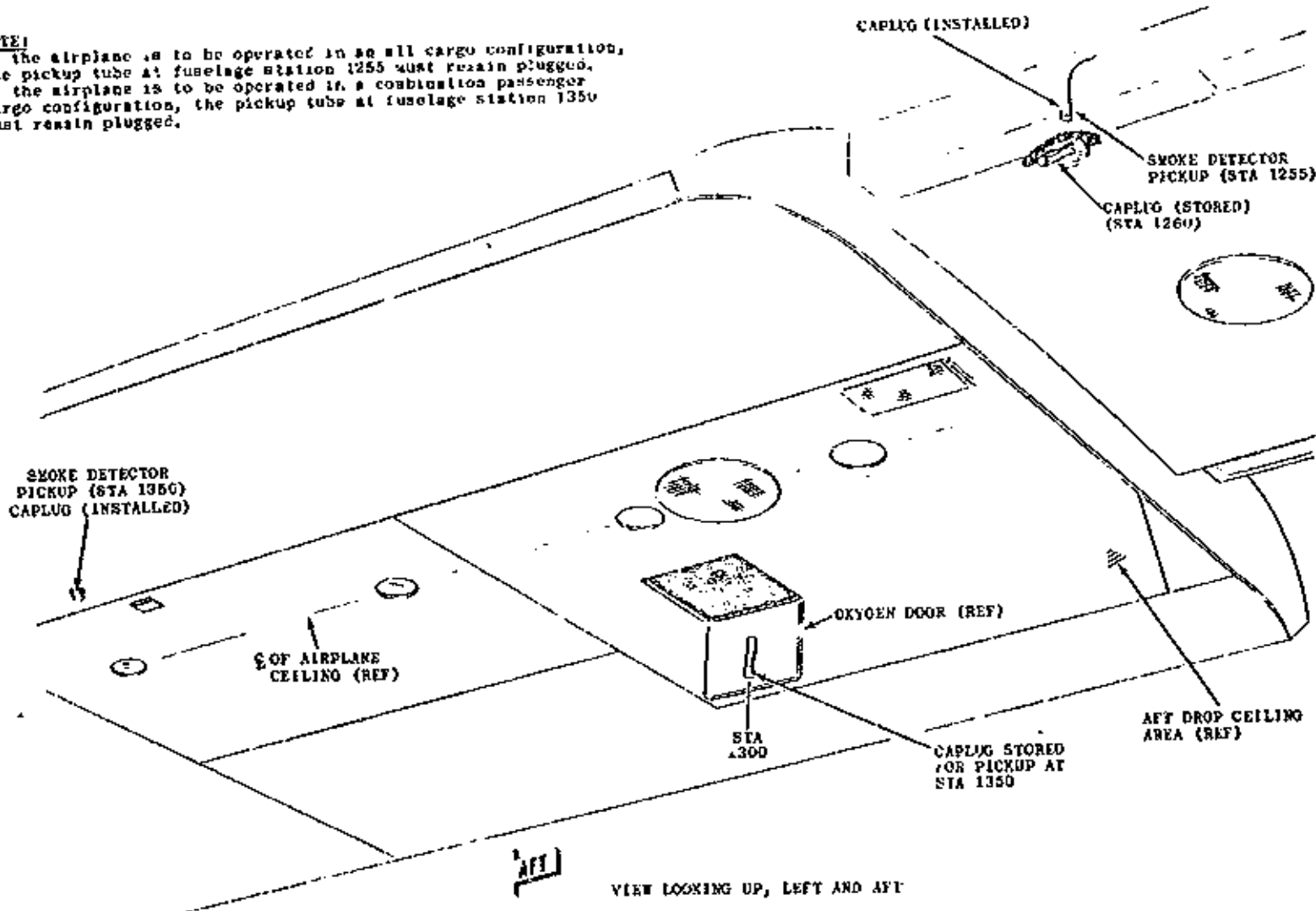


NOTE: DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

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NOTE
 If the airplane is to be operated in an all cargo configuration,
 the pickup tube at fuselage station 1255 must remain plugged.
 If the airplane is to be operated in a combination passenger
 cargo configuration, the pickup tube at fuselage station 1350
 must remain plugged.



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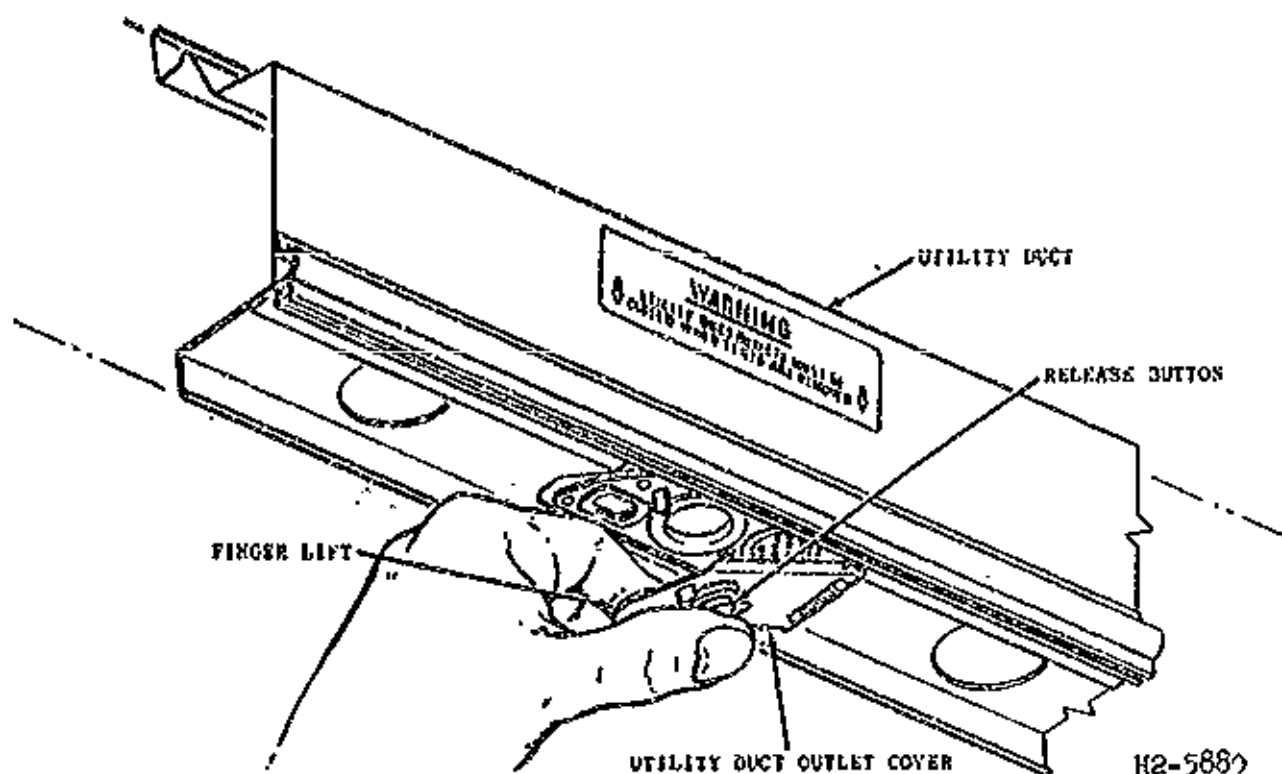
Cargo/Passenger Conversion -- (DC-8F-50)
 Figure 201 (Sheet 7 of 7)

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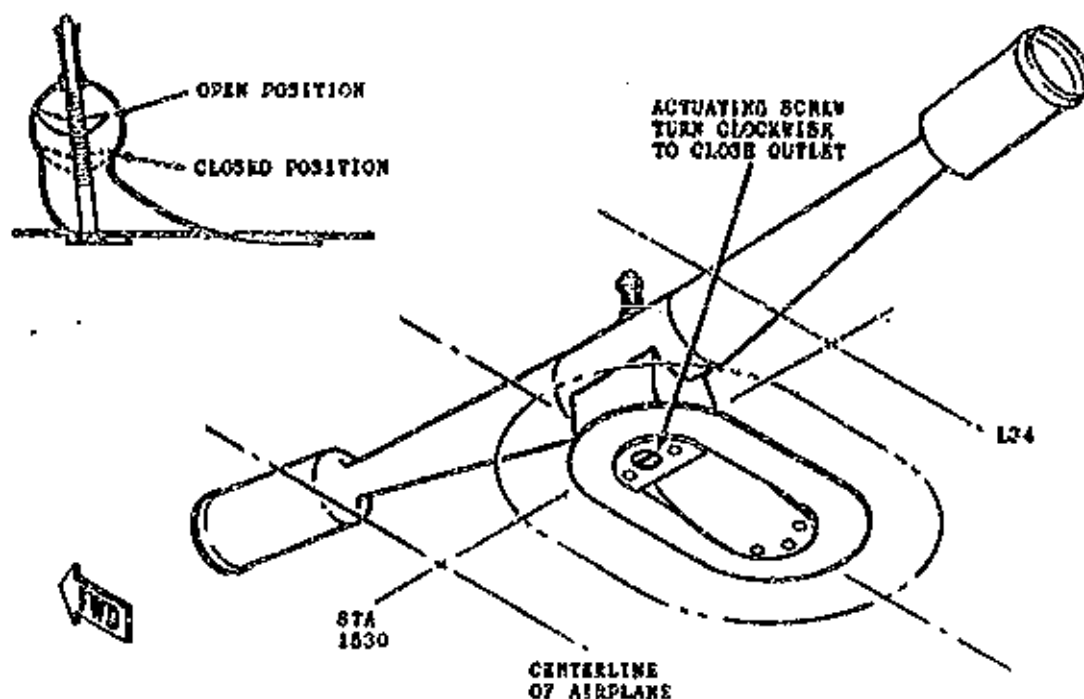
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Utility Duct Outlets and Covers
Figure 202

There are "WARNING..." nameplates installed on the utility ducts along both sides of the airplane. The utility duct covers are spring-loaded to the "open" position, and are pushed to the closed position where they are latched. It is mandatory that the utility duct outlets be latched in the closed position whenever the seats are removed.

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Valve Aft Toilet Vent
Figure 203

Toilet vent outlet valve:

The toilet vent outlet valve is located to the left of the airplane centerline, on the outer bottom skin, below aft lavatories.

In the all cargo configuration it is mandatory that this outlet valve be closed. The outlet valve actuating screw is turned clockwise to close the outlet.

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3. Convert Cabin From 117 to 135 Passenger

NOTE: After movable partition is moved, space is available for six additional triple seats, three left and three right (see Figure 204). Seats may be loaded through the cargo door or the forward galley service door.

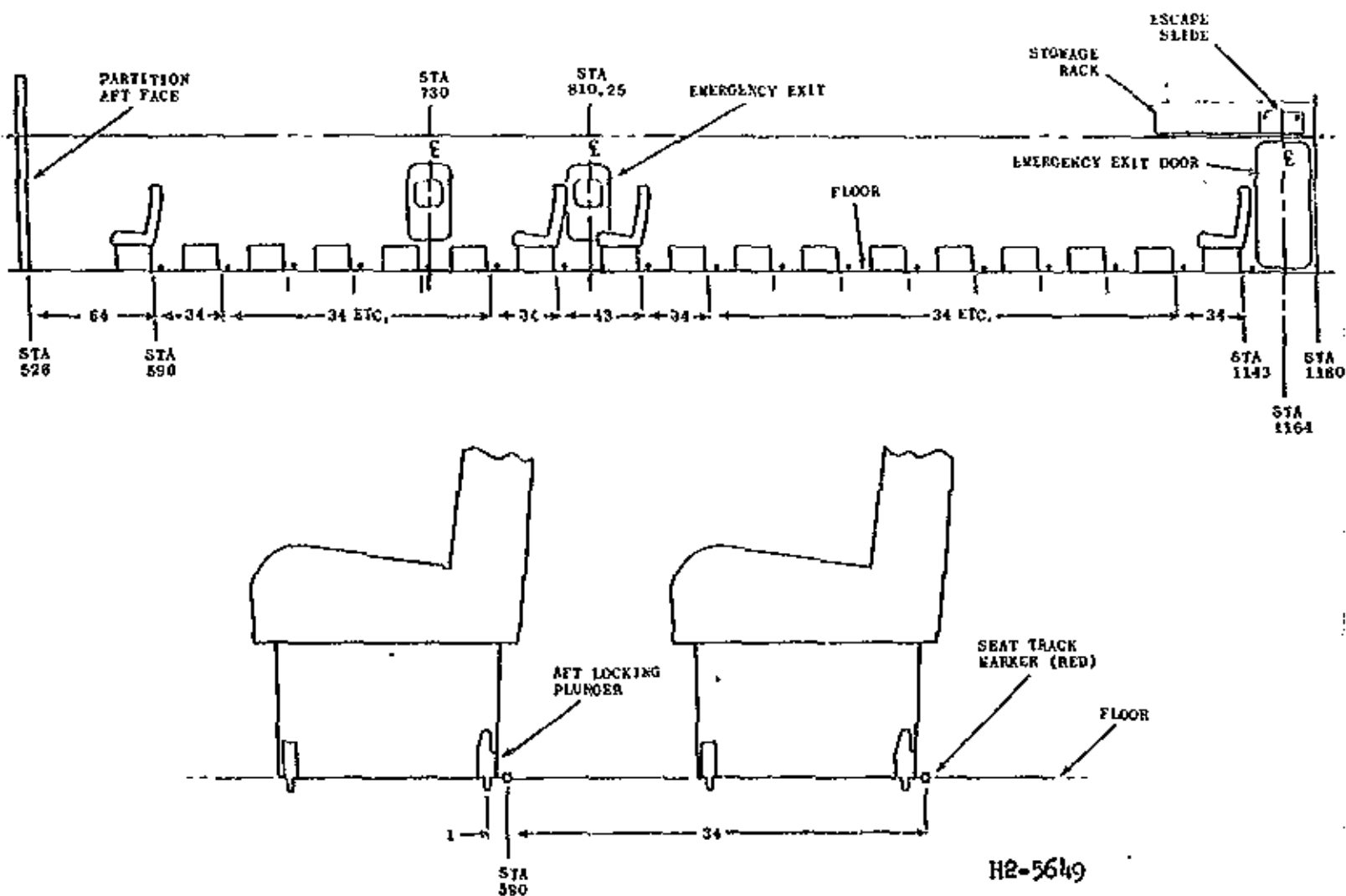
A. Passenger Seats Relocation

- (1) Locate first seat at red track marker in floor seat track (see Figure 204). This is approximately 64 inches from aft face of partition panel.
 - (a) Position aft seat track locking plunger in track hole, one inch forward of track marker.
 - (b) Lock floor track plungers and seat sidewall track latches (see Figure 205).
- (2) Install next left hand seat $3\frac{1}{4}$ inches aft from aft locking plunger of first seat, one inch forward of red track marker.
- (3) Repeat this operation for each of three left, and three right hand seats.
- (4) Fourth row of seats are moved from their positions to new positions at $3\frac{1}{4}$ -inch intervals.
- (5) Continue relocating seats back to aft Type III Emergency Exit. Space is left here for access to emergency exit. Dimensions from aft locking plunger of seventh seat, to aft locking plunger of eight seat is 43 inches. Index is one inch forward of red track marker.
- (6) Aft of aft Type III Emergency Exits, seats are again at $3\frac{1}{4}$ -inch intervals.

B. Activate Type I Emergency Exit Doors

- (1) Remove following parts:
 - (a) Dummy utility duct cover below window.
 - (b) Opaque lens at handle light.
 - (c) Blank placard at top of door.
- (2) Install following parts:
 - (a) Translucent lens at handle light.
 - (b) Emergency exit placard at top of door.

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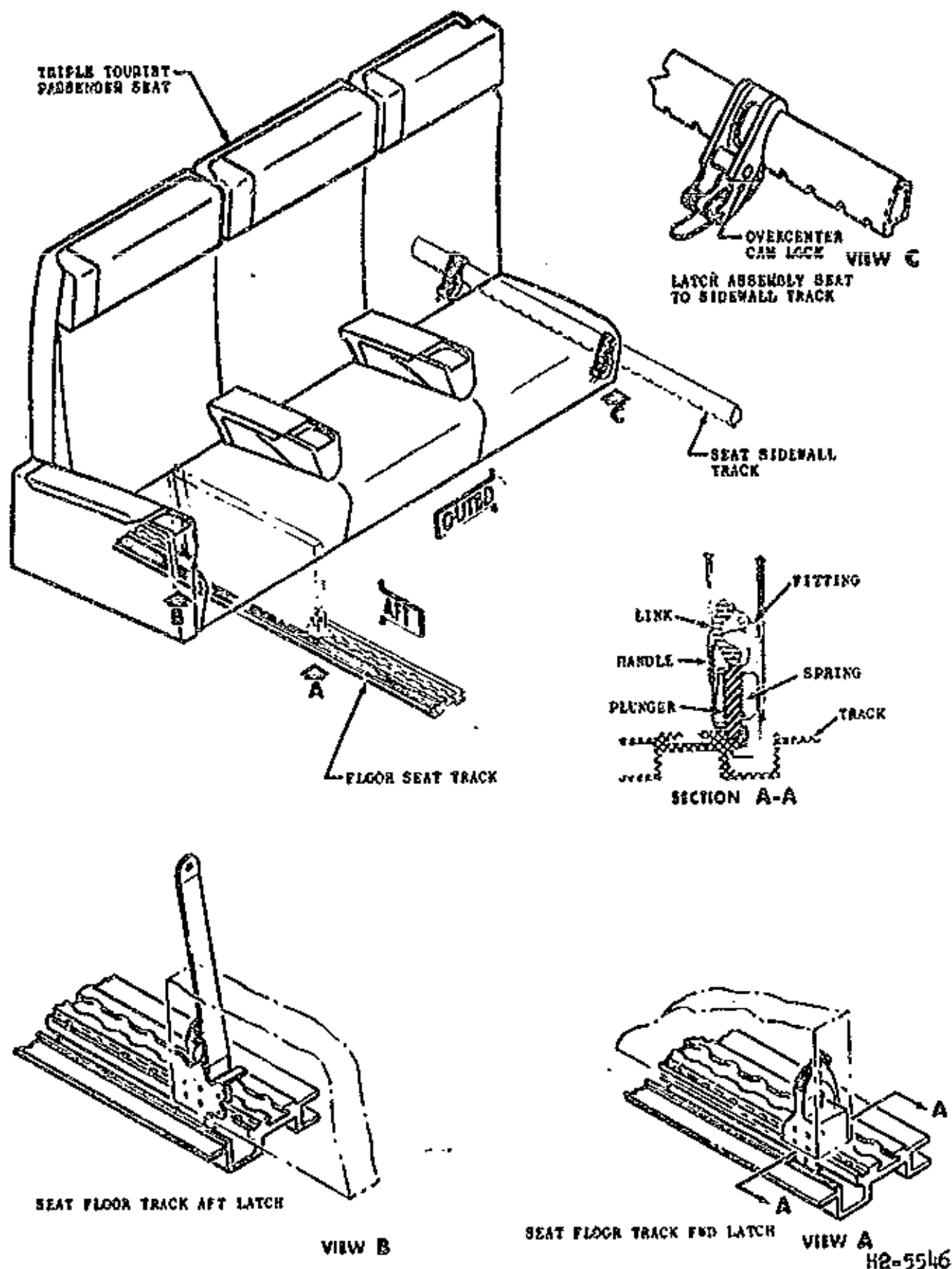


Passenger Seat Locations
 Figure 204

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4. General Requirements for Conversion and Stowage of Cabin Equipment

NOTE: The following instructions are for the conversion of the airplane from 165 (or 168) passenger to all cargo (13 pallets or bulk cargo) and from all cargo to all passenger.

NOTE: The cabin of the DC-8F can be arranged to provide seats for 165 or 168 passengers, room for 13 pallets of cargo, or 10 combinations of passenger and cargo interiors. The passenger seats, cargo loading system, and other equipment not being used at the time can be stowed in the cargo compartments to make the airplane completely convertible at any time to a different passenger, cargo, or passenger/cargo configuration.

An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and 6 cargo equipment boxes containing a 13-pallet loading system, excluding pallets, stowed in the lower cargo compartments. A portable toilet, courier seat, and supplemental courier seat may also be carried when called for.

An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

The equipment tags and equipment boxes referred to in the following steps are to be manufactured locally.

A. Preparation for Conversion and Stowage of Cabin Equipment

- (1) Open galley service doors.
- (2) Position one fork lift or pallet loader at each of two galley service doors.

NOTE: The fork lifts or pallet loaders used must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be used for the unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.
- (4) Recommended stations, work crews and assigned tasks:
 - (a) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
 - (b) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
 - (c) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.

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- (d) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

NOTE: For maximum efficiency, Crews 1 and 2 should work simultaneously and independently of Crews 3 and 4.

B. Remove Cabin Equipment -- Forward Section

- (1) Remove arm rests, cushions, and utility equipment connection covers from forward nine seats (3 right and 6 left) and stow in aft lavatories.
- (2) Fold down seat backs and place support under seat to keep it level. Disconnect leg from seat track and fold leg under seat. Slip on seat bag, disconnect seat from side wall, and tie bag.

WARNING: UTILITY DUCT OUTLETS MUST BE CLOSED WHEN SEATS ARE REMOVED (SEE FIGURE 202).

- (3) Remove floor covering:
- (a) Roll up carpets, placing plastic retaining strips inside rolls. Tie each roll separately.
- (b) Loosen threshold screws at cockpit entrance, and remove floor covering. Tighten screws.
- (c) Remove thresholds, cover strip, and floor covering in area of forward galleys.
- (4) Convert forward upper cargo door (see Chapter 52).
- (a) Remove liners from bottom of door.
- (b) Remove snap-out panels from door.
- (c) Unlatch and open door.
- (5) Fold down stowage racks in area where seats have been removed (see 25-25-0).
- NOTE: The remaining stowage racks may be folded down as seats are removed.
- (6) Disconnect galley No. 1 (see 25-30-0).
- (7) Disassemble galley No. 1 into three sections - top, middle, and bottom. Place all hardware in cloth bag, and secure to one section.
- (8) Disconnect galley No. 2 (see 25-30-0).

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- (9) Disassemble galley No. 2 into three sections - top, middle and bottom. Place all hardware in a cloth bag and secure bag to one section.

NOTE: In 168 passenger configuration, remove seat used in place of galley No. 2.

- (10) Disconnect and disassemble crew lavatory and inboard partition, if called for in cargo configuration (see 25-40-0).
- (11) Unload galley No. 1 (top section), crew lavatory wash stand, and crew lavatory door. Position near forward lower cargo compartment.
- (12) Unload 3 right and 6 left seats and position near forward lower cargo compartment.
- (13) Unload galley No. 1 (middle section), galley No. 2 (middle and bottom sections), and cargo door panels and liners. Position near forward lower cargo compartment.
- (14) Unload galley No. 1, (lower section) and position near forward lower cargo compartment.
- (15) Unload galley No. 2 (top section), two liferafts and compartments, and two escape slides. Position near forward lower cargo compartment.
- (16) Unload bundles of floor covering and position near forward lower cargo compartment.
- (17) Install cargo loading system (see 25-51-0).
- (18) Install cargo loading system hardware for pallet positions No. 1 and No. 2.

NOTE: The other sections of the cargo loading system may be installed as the seats, equipment, and floor covering are removed.

G. Remove Cabin Equipment -- Aft Section

- (1) Disconnect galley No. 4 (see 25-30-0).
- (2) Disassemble galley No. 4 into three section -- top, middle, and bottom. Place all hardware in a cloth bag and secure to one section.
- (3) Unload three sections of galley No. 4 and position near forward lower cargo compartment.
- (4) Remove galley No. 5:
- (a) Remove fire extinguishers and brackets from side of galley and stow in aft lavatory.
- (b) Open overhead water tank access door to facilitate galley removal.

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- (c) Move galley inboard as far as access door will allow.
 - (d) Pull bottom of galley towards right side as top is tipped towards left side so top edge of galley will move into open area of access door.
 - (e) As bottom of galley is pulled outboard, lower top of galley until it is clear of access door.
- (5) Unload galley No. 5 in one place through aft service door, and position near forward lower cargo compartment.
- (6) Disassemble aft single coatroom.
- (a) Stow curtains in aft lavatories.
 - (b) Remove coatroom shelf and cabinet door and stow in aft lavatory.
 - (c) Disconnect coatroom partition from ceiling and floor and move out of way to provide work room.
- (7) Disassemble aft double coatroom.
- (a) Relieve pressure between first-aid oxygen cylinder and solenoid surge valve:
 - 1) Move automatic supply valve toggle to ON position.
 - 2) Locate a man at system bleed valve to depress PUSH TO BLEED button.
 - 3) When PUSH TO BLEED button is depressed, place passenger oxygen mask switch in EJECT position.
 - (b) Disconnect and remove oxygen cylinder, leaving flexible hoses in place.
 - (c) Remove coatroom shelf and stow in aft lavatories.
 - (d) Disconnect oxygen line from ceiling fitting in aft double coatroom.
 - (e) Disconnect other end of coatroom oxygen line at tee just below fittings for coatroom shelf, and remove disconnected section of oxygen line. Secure disconnected oxygen line to other oxygen fixtures on aft side of coatroom partition for storage.
 - (f) Disconnect electrical connections in ceiling for oxygen surge valve, and in wall for public address and intercom system.

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- (g) Disconnect coatroom partition from ceiling and floor and move out of way to provide work space.

NOTE: When all necessary equipment has been stowed in aft lavatory, coatroom partition should be secured in place against aft lavatories:

- 1) Position aft single coatroom partition against forward wall of aft left lavatory, with inboard side of coatroom partition in aisle between lavatories.
 - 2) Position aft double coatroom partitions against forward wall of aft right lavatory.
 - 3) Secure coatroom partitions in place with straps which crisscross from top attach fittings for galleys No. 4 and No. 5 to crossties approximately 44 1/2 inches to left and right of centerline.
- (8) Remove arm rests, cushions, and utility equipment connection covers from aft 11 seats (6 right and 5 left) and stow carefully in one aft lavatory.
- (9) Fold down seat backs, place support under seat, and disconnect leg from seat track. Fold leg under seat, slip on seat bag, disconnect seat from side wall track, and tie bag.
- (10) Roll up carpet, placing plastic retaining strips inside rolls, and tie each roll separately.
- (11) Unload 11 seats (6 right and 5 left) and aft coatroom shelf oxygen bottle and position near forward lower cargo compartment.
- (12) Disconnect galley No. 3 (see 25-30-0).
- (13) Remove galley No. 3:
- (a) Slide galley forward until clear of drop ceiling.
 - (b) Lay galley on its side and remove through aft service door.
- (14) Unload galley No. 3 and fairing for galley No. 5. Position near forward lower cargo compartment.
- (15) Remove screws in threshold and cover strips. Remove floor covering and tighten screws.
- (16) Unload carpets and floor covering, and position near forward lower cargo compartment.

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D. Remove Cabin Equipment -- Center Section

- (1) Remove arm rests, cushions, and utility connection covers from seats and stow in aft lavatories.
- (2) Fold down seat backs, place support under seat and disconnect leg from seat track. Fold leg under seat, slip on seat bag, disconnect seat from side wall track, and tie bag.
- (3) Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.
- (4) Unload carpets and position near forward lower cargo compartment.
- (5) Unload six seats (3 right and 3 left) and position near aft lower cargo compartment.
- (6) Remove liferaft and compartment and unload with five seats (2 right and 3 left). Position load near aft lower cargo compartment.
- (7) Unload 11 seats (7 right and 4 left) and position load near aft lower cargo compartment.
- (8) Remove forward service door escape slide and unload with eight seats, (3 right and 5 left). Position near aft lower cargo compartment.
- (9) Remove one liferaft, two liferaft compartments, one forward passenger escape slide, and unload with remaining seats. Position near aft lower cargo compartment.

E. Install Crew Equipment and Facilities

- (1) Install crew galley and horizontal beam (see 25-50-2).
- (2) Install barrier net (see 25-50-2).
- (3) Install carry-on toilet, if called for in cargo configuration.

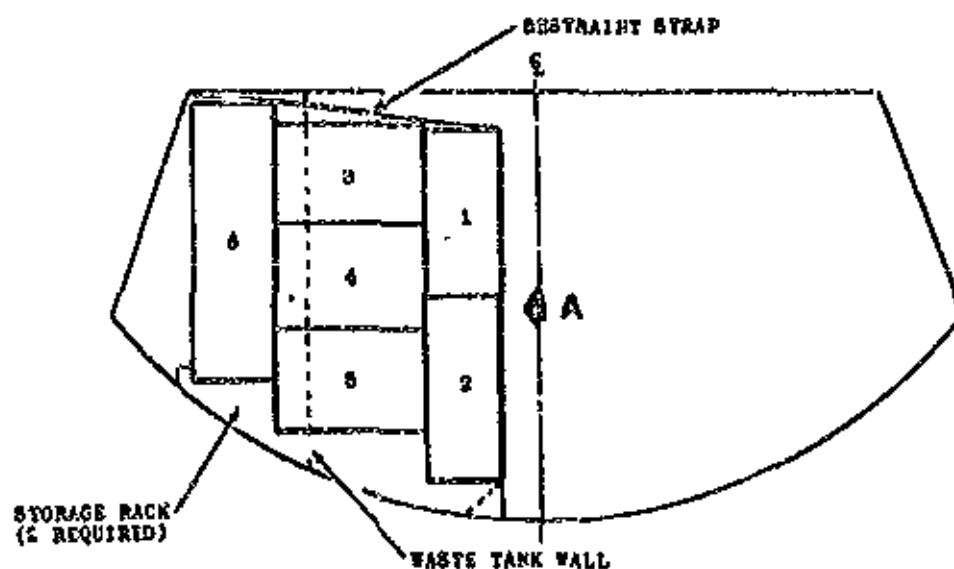
F. Prepare for Stowage of Passenger Equipment in Lower Cargo Compartments

- (1) Unload cargo equipment boxes from two racks in forward lower cargo compartment (see Figure 206, Sheet 1 of 11).

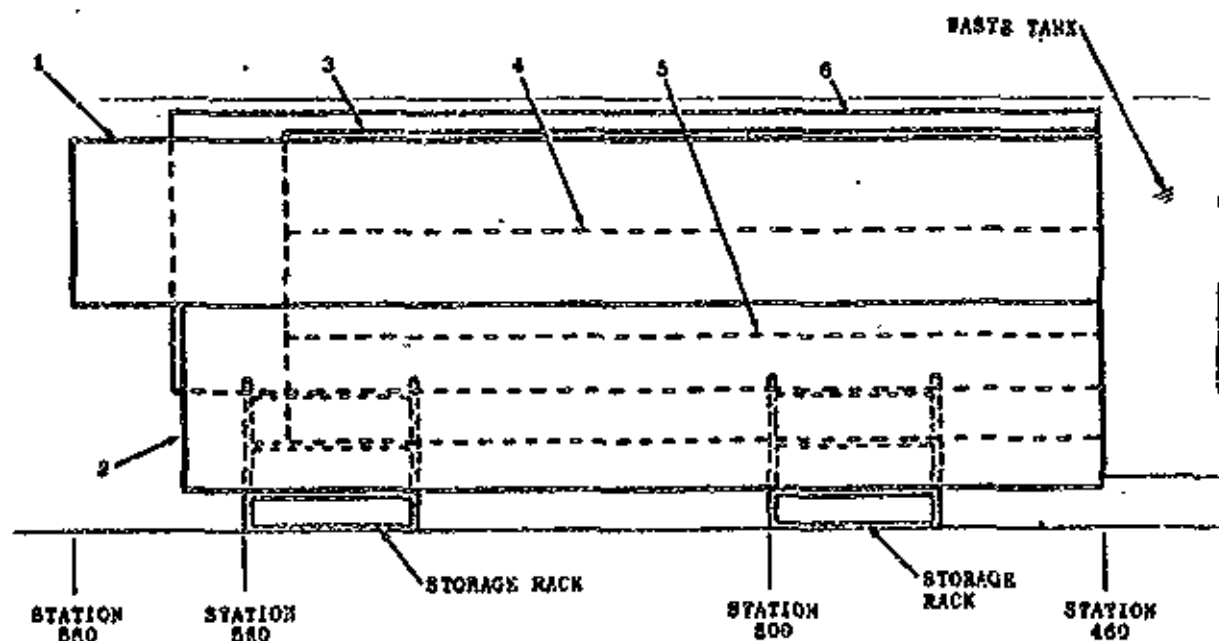
NOTE: The box containing the five ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

- (2) After cargo loading system has been removed, install retaining straps on cargo equipment boxes. Position boxes near forward lower cargo compartment.

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 MAINTENANCE MANUAL



LOOKING FORWARD
 FROM AFT BULKHEAD OF
 FORWARD LOWER CARGO COMPARTMENT



VIEW A
 LOOKING OUTBOARD
 AFT HALF OF FORWARD LOWER CARGO COMPARTMENT

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(3) Unload forward barrier net, crew galley, and cargo door cylinder, and position near forward upper cargo door.

(4) Unload cargo partition sections and hardware.

G. Load Forward Lower Cargo Compartment, Forward Door

(1) Area forward of door (see Figure 206, Sheet 2 of 11):

- (a) Place cargo equipment box No. 3 on floor between forward bulkhead and waste tank.
- (b) Place equipment box No. 2 to right of equipment box No. 3.
- (c) Place equipment box No. 1 on top of box No. 2.
- (d) Place galley No. 5 crosswise in cargo compartment and on top of boxes No. 1 and No. 3. Push galley forward until it is against forward bulkhead.
- (e) Pack carpets under lower corners of galley No. 5 and in offset.

(2) Area surrounding forward door (see Figure 206, Sheets 2 of 11 and 3 of 11):

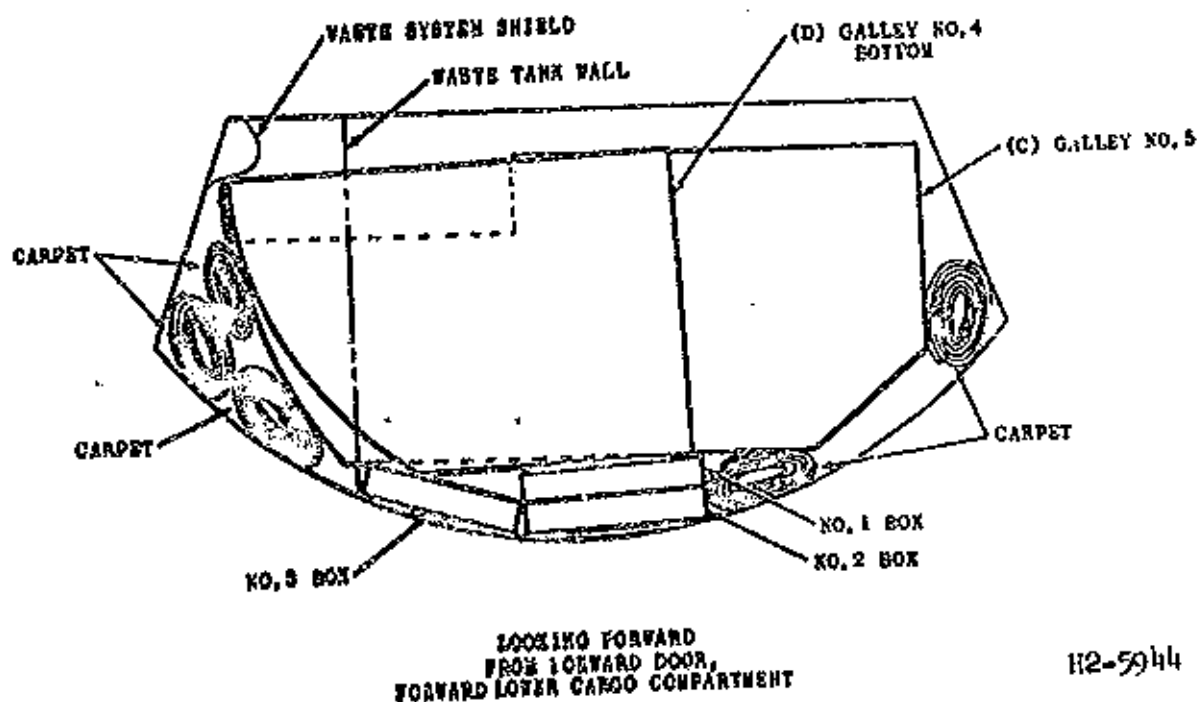
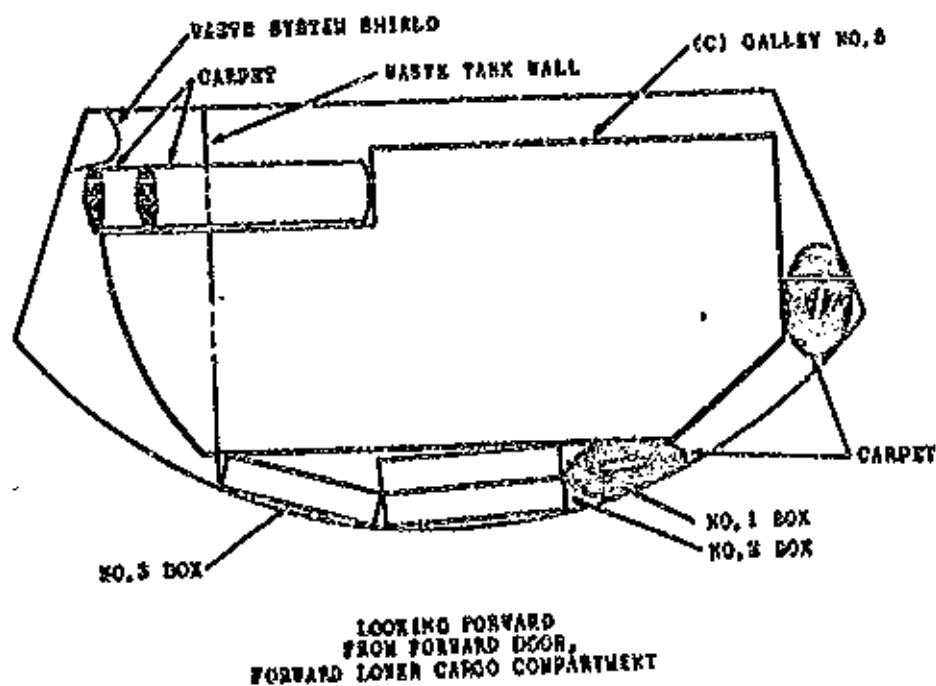
- (a) Place bottom of galley No. 4 on left side and beside galley No. 5.
- (b) Pack carpets in all available spaces.
- (c) Place top of galley No. 1 on top of box No. 1 and beside galley No. 4, with square end of galley No. 1 between waste tank and galley No. 4.
- (d) Pack carpets and floor covering under and on top of galley No. 1.
- (e) Place crew lavatory wash basin cabin on right side, just aft of galley No. 1.
- (f) Install net around forward door.
- (g) Close forward door.

H. Load Forward Lower Cargo Compartment, Aft Door

(1) Area aft. of forward door (see Figure 206, Sheet 4 of 11):

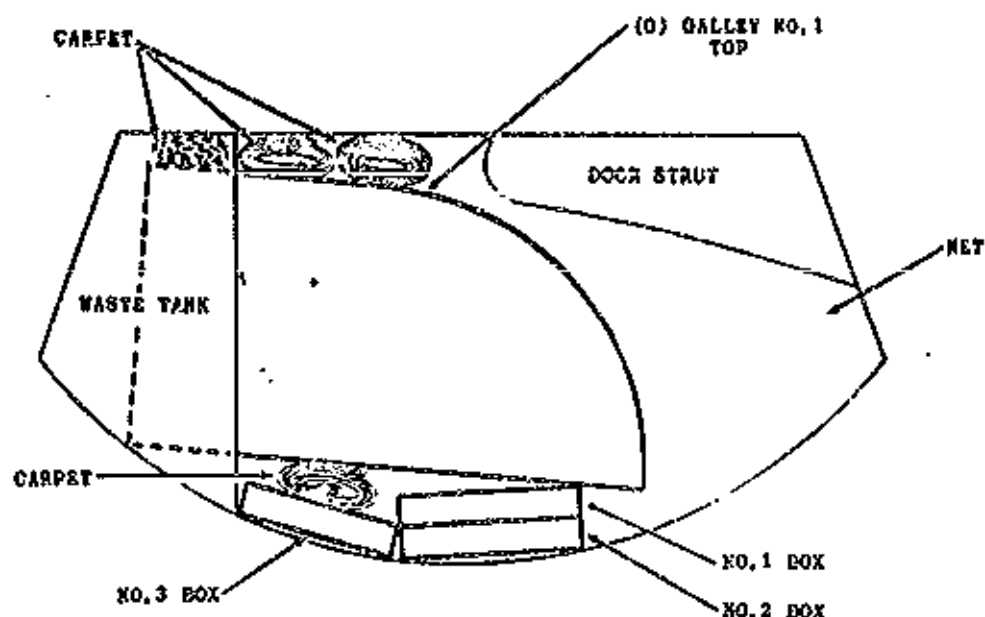
- (a) Place equipment box No. 4 to left of C_L and forward to equipment box No. 3.
- (b) Place equipment box No. 6 to right of box No. 4 and between net tie-down plates for forward and aft doors.

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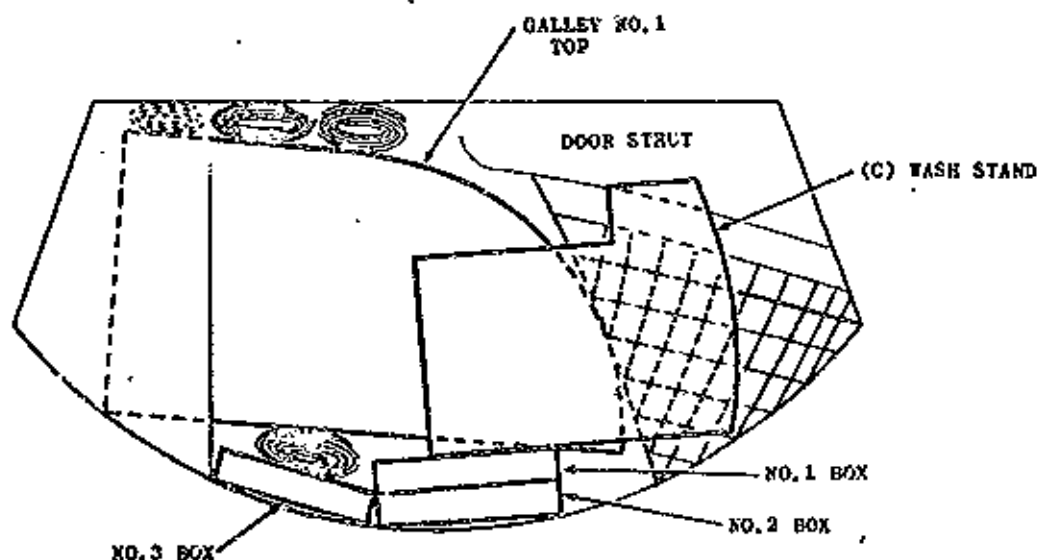


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 MAINTENANCE MANUAL



LOOKING FORWARD
 FROM AFT DOOR, FORWARD LOWER
 CARGO COMPARTMENT



LOOKING FORWARD
 FROM AFT DOOR, FORWARD LOWER CARGO COMPARTMENT
 (AFTER WASHSTAND HAS BEEN INSTALLED
 AND FORWARD DOOR CLOSED)

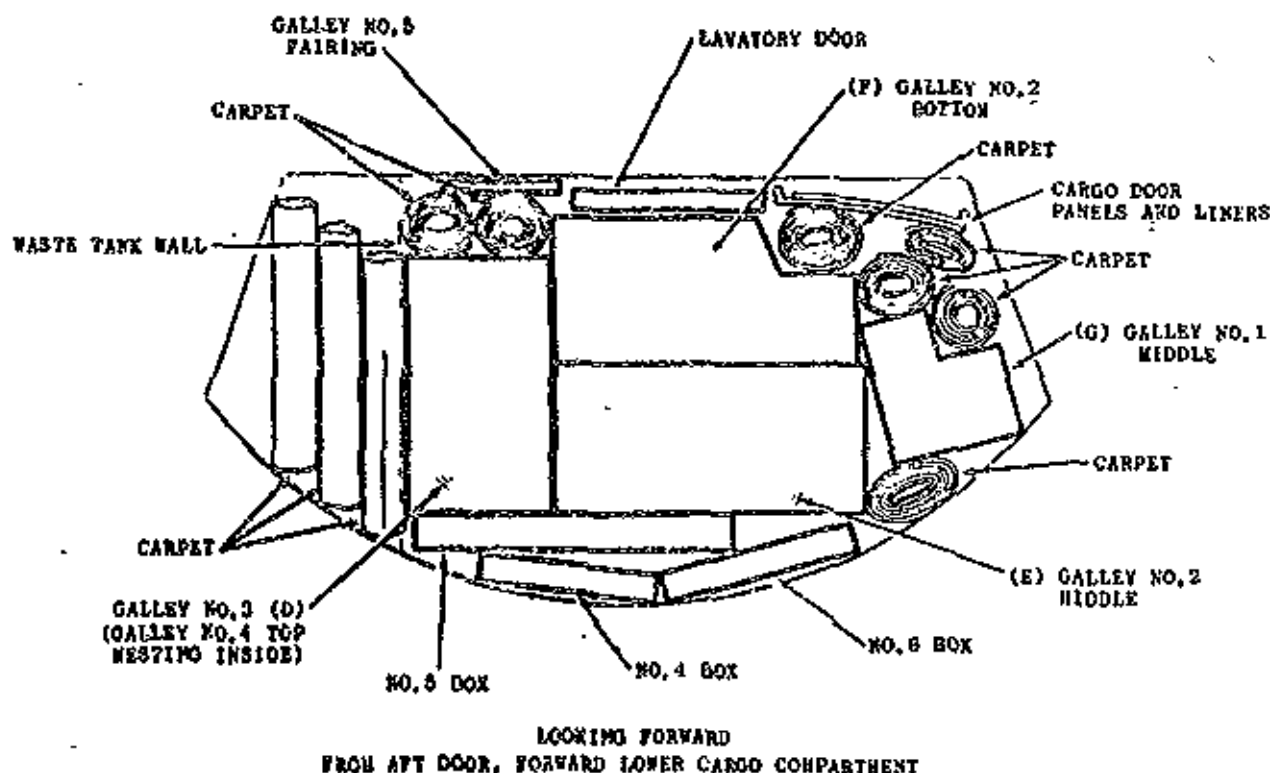
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- (c) Place equipment box No. 5 on top of boxes No. 4 and No. 6 and forward to box No. 1.
- (d) Place galley No. 3, with top of galley No. 4 nesting inside, on top of equipment box No. 5.
- (e) Place middle section of galley No. 2 on top of equipment box No. 5 and to right of galley No. 3.
- (f) Place bottom section of galley No. 2 on top of middle section of galley No. 2.
- (g) Place middle section of galley No. 1 to right of galley No. 2.

NOTE: In 168-passenger configurations, galley No. 2 will be deleted and a right seat substituted in its place in forward lower cargo compartment.

- (h) Pack carpets and floor covering around galley.
- (i) Place fairing for galley No. 5, crew lavatory door, and cargo door panels and liners on top of carpets and bottom section of galley No. 2.



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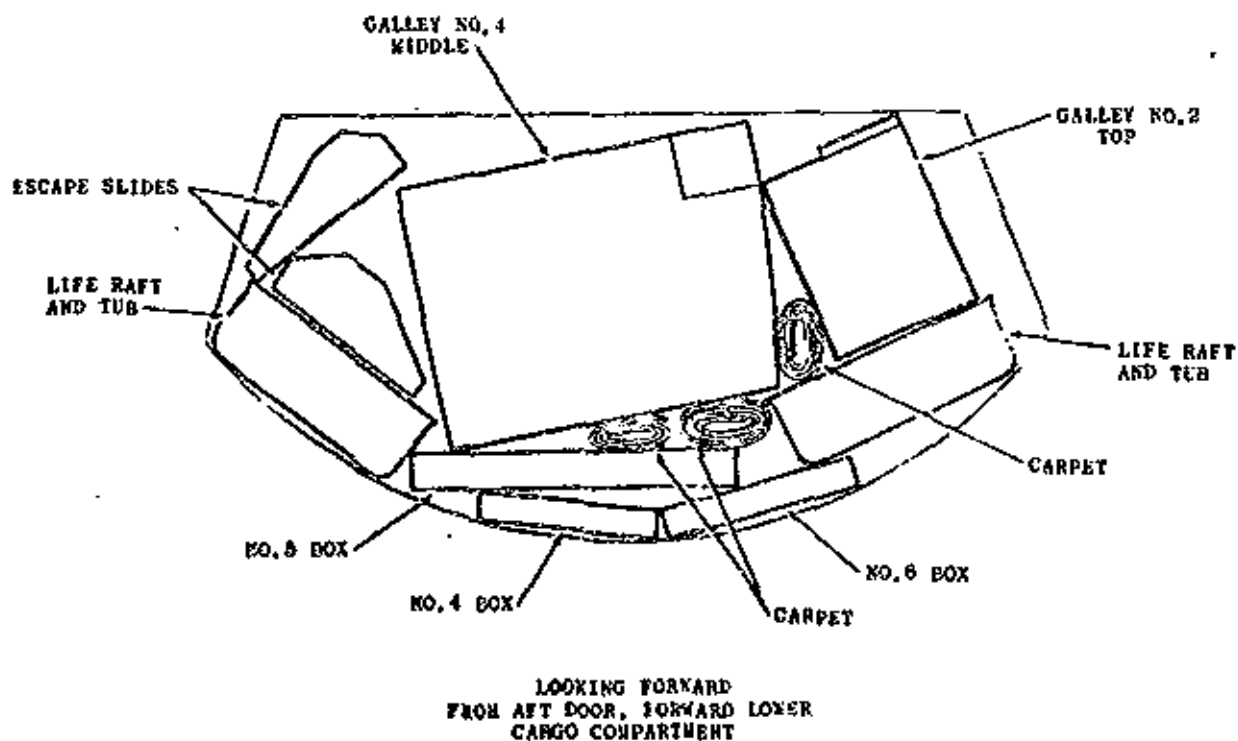
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 MAINTENANCE MANUAL

(2) Area forward of aft door (see Figure 206, Sheet 5 of 11):

- (a) Place one liferaft and compartment along left wall, with end resting against box No. 5.
- (b) Place one liferaft and compartment along right wall, with end resting on box No. 6.
- (c) Place carpets on box No. 5.
- (d) Place middle section of galley No. 4 on box No. 5 and carpets.
- (e) Place top of galley No. 2 on liferaft along right wall and rest one edge of galley No. 2 against middle section of galley No. 4.
- (f) Place one carpet between middle section of galley No. 4 and top section of galley No. 2.
- (g) Place two escape slides on top of liferaft and to left of middle section of galley No. 4.

(3) Area aft of aft door (see Figure 206, Sheet 6 of 11):

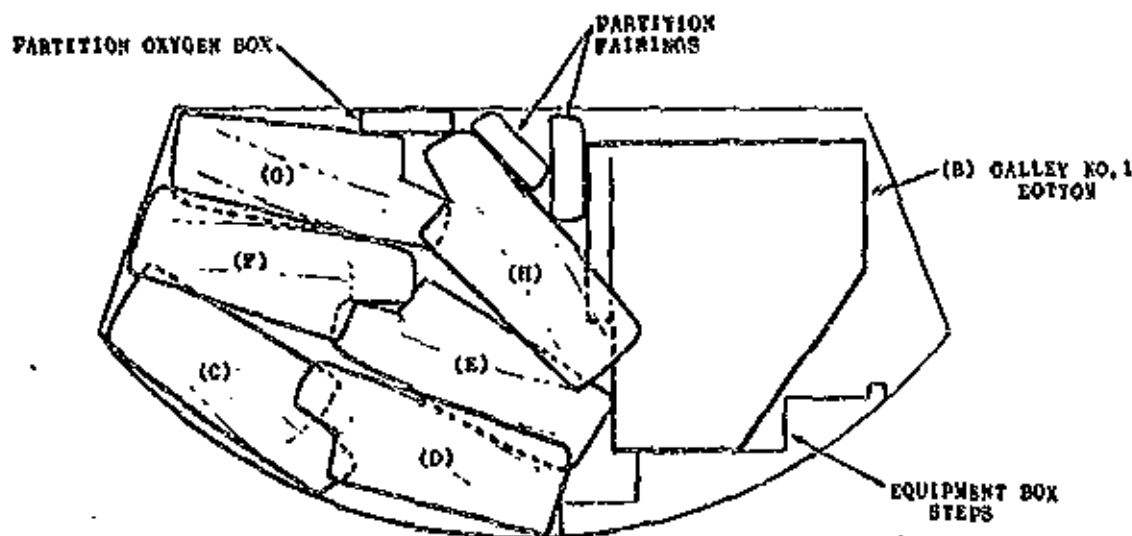
- (a) Install equipment box steps along left side of aircraft to aft bulkhead.



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- (b) Place bottom section of No. 1 galley on steps with contour end aft and attendant seat to center.
- (c) Place item C, left seat, back down, arm rest aft, on floor against right wall.
- (d) Place item D, right seat, back up, arm rest forward, on floor between equipment box steps and item C.
- (e) Place item E, right seat, back down, arm rest aft, on item D.
- (f) Place item F, left seat, back up, arm rest forward, on item C.
- (g) Place item G, left seat, back down, arm rest aft, on item F.
- (h) Place item H, right seat, back up, arm rest forward, on item E.
- (i) Place partition fairings between items B and H.
- (j) Place partition oxygen box on item G.
- (k) Area surrounding aft door (see Figure 206, Sheet 7 of 11):
 - (a) Place item B, left seat, back down, arm rest forward, on floor against left wall.



LOOKING AFT
 FROM AFT DOOR, FORWARD LOWER
 CARGO COMPARTMENT

H2-5048

Passenger/Cargo Equipment -- Storage
 Figure 206 (Sheet 6 of 11)

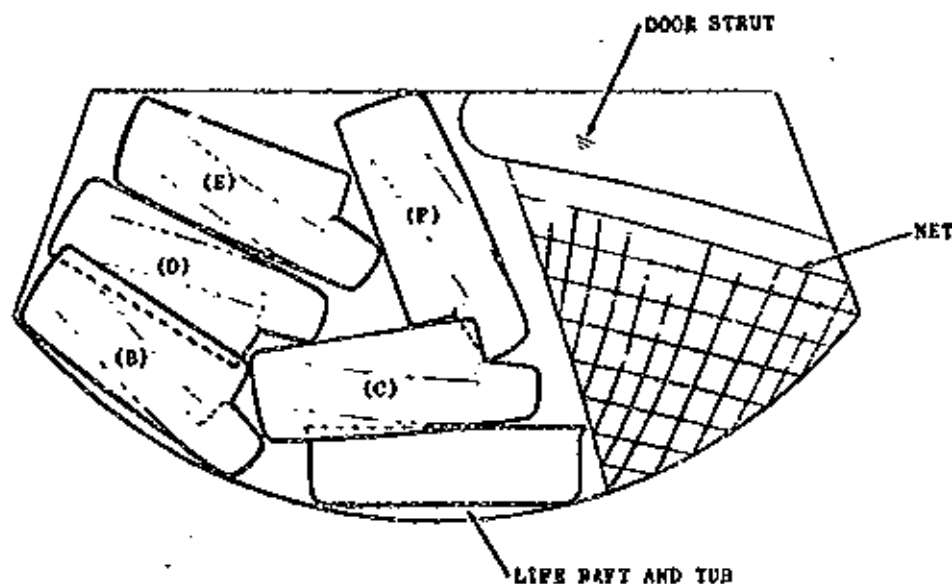
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- (b) Place one liferaft and compartment on floor aft of box No. 5 and just inside door.
 - (c) Place item C, left seat, back down, arm rest forward, on liferaft and end of box No. 5.
 - (d) Place item D, left seat, back up, arm rest aft, on item B.
 - (e) Place item E, right seat, back down, arm rest aft on item D.
 - (f) Place item F, right seat, back up and outboard, arm rest forward, on item C.
 - (g) Install nets around aft door.
 - (h) Close aft door.
- . Load Aft Lower Cargo Compartment, Forward Door
- (1) Area forward of door (see Figure 206, Sheet 8 of 11):
 - (a) Place right panel of movable cargo partition against forward bulkhead with pad corners at bottom.

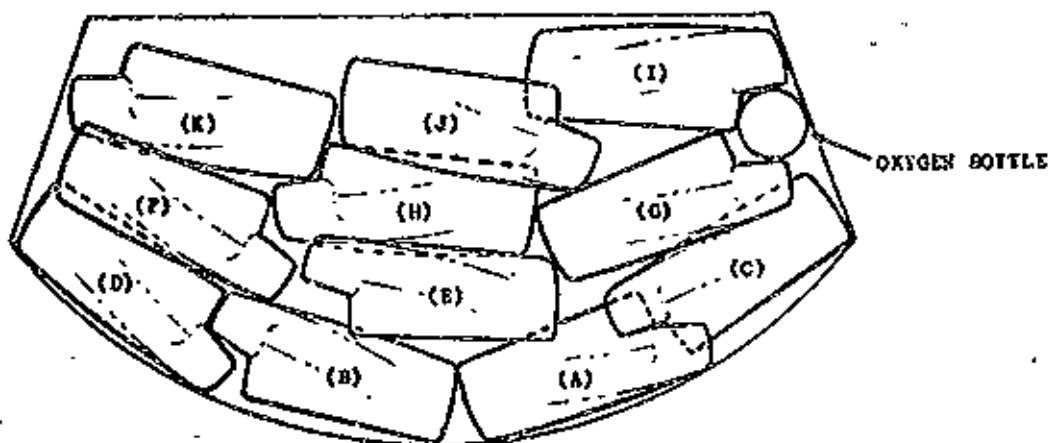


LOOKING FORWARD
FROM IMMEDIATELY AFT OF AFT DOOR,
FORWARD LOWER CARGO COMPARTMENT

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- (b) Place left panel of movable cargo partition against right panel with pad corners also at bottom.
- (c) Place item A, left seat, back down, arm rest forward, on floor to right of C_L.
- (d) Place item B, left seat, back up, arm rest forward, on floor to left of C_L.
- (e) Place item C, left seat, back up, arm rest forward, on floor to right of item A.
- (f) Place item D, left seat, back down, arm rest forward, on floor to left of item B.
- (g) Place item E, right seat, back up, arm rest aft, on items A and B.
- (h) Place item F, right seat, back down, arm rest aft, to left of item E and on top of item D.
- (i) Place item G, right seat, back down, arm rest aft, to right of item E and on item C.
- (j) Place item H, right seat, back down, arm rest forward, on top of item E.



LOOKING FORWARD
 FROM FORWARD DOOR, ATT LOWER
 CARGO COMPARTMENT

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- (k) Place item I, right seat, back up, arm rest forward, in upper right corner.
- (l) Place item J, right seat, back down, arm rest aft, on top of item H.
- (m) Place item K, right seat, back down, arm rest forward, in upper left corner.
- (n) Insert cockpit oxygen bottle along right side between seats.

(2) Area surrounding forward door (see Figure 206, Sheet 9 of 11):

- (a) Place item A, left seat, back down, arm rest aft, just far enough inboard of door to clear net.
- (b) Place item B, left seat, back up, arm rest aft to left of item A.
- (c) Place item C, left seat, back inboard, arm rest forward, along left side wall.
- (d) Place item D, left seat, back outboard, arm rest aft, inboard of item C and resting on item B.
- (e) Place item E, right seat, back down, arm rest forward, on top of item B.
- (f) Place item F, right seat, back down, arm rest aft, on top of item E.
- (g) Place item G, right seat, back down, arm rest forward, on top of item F.
- (h) Place item H, left seat, back up, arm rest aft, in remaining space above items D and G.
- (i) Place forward service door escape slide and compartment in area immediately forward of forward door.
- (j) Place partition oxygen box between escape slide and side wall.
- (k) Install net around forward door.
- (l) Close forward door.

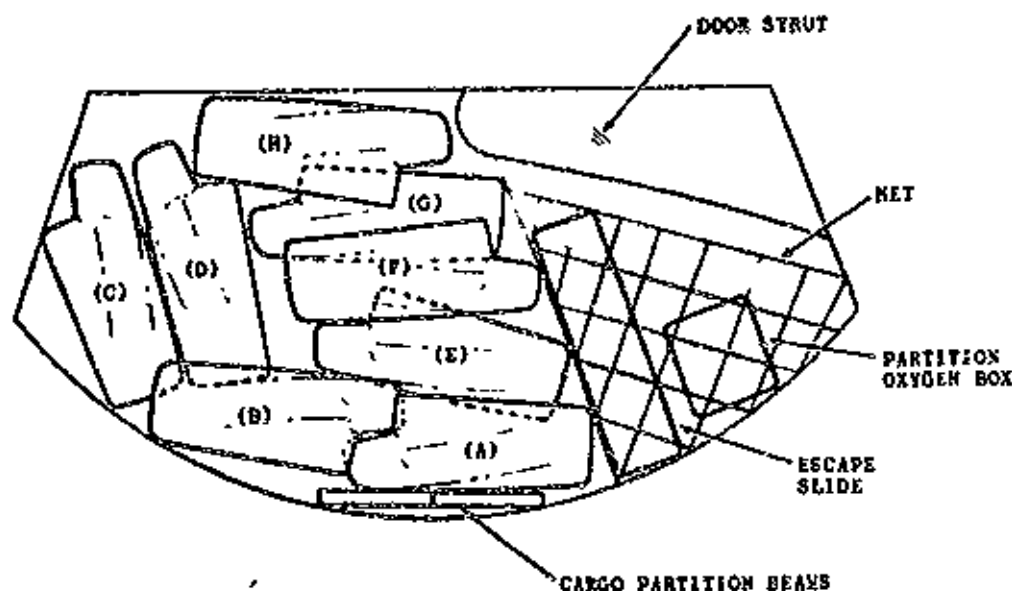
J. Load Aft Lower Cargo Compartment, Aft Door

(1) Area forward of aft door (see Figure 206, Sheet 10 of 11):

- (a) Place item A, right seat, back down, arm rest aft, on floor to right of C_L and as far forward as possible.
- (b) Place item B, right seat, back down, arm rest forward, on floor to left of C_L , and as far forward as possible.

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- (c) Place item C, right seat, back up, arm rest aft, on floor along right side of item A.
- (d) Place item D, left seat, back up, arm rest aft, on floor along left side of item B.
- (e) Place item E, left seat, back down, arm rest forward, on items A and B.
- (f) Place item F, left seat, back up, arm rest forward, on item C.
- (g) Place item G, right seat, back up, arm rest aft, on item F.
- (h) Place item H, right seat, back up, arm rest aft, on item E.
- (i) Place item I, left seat, back up, arm rest forward, to left of item H.
- (j) Place item J, left seat, back down, arm rest forward, on item H and to left of item G.
- (k) Place item K, right seat, back down, arm rest aft, on item I.
- (l) Place a center panel of cargo partition on item G.

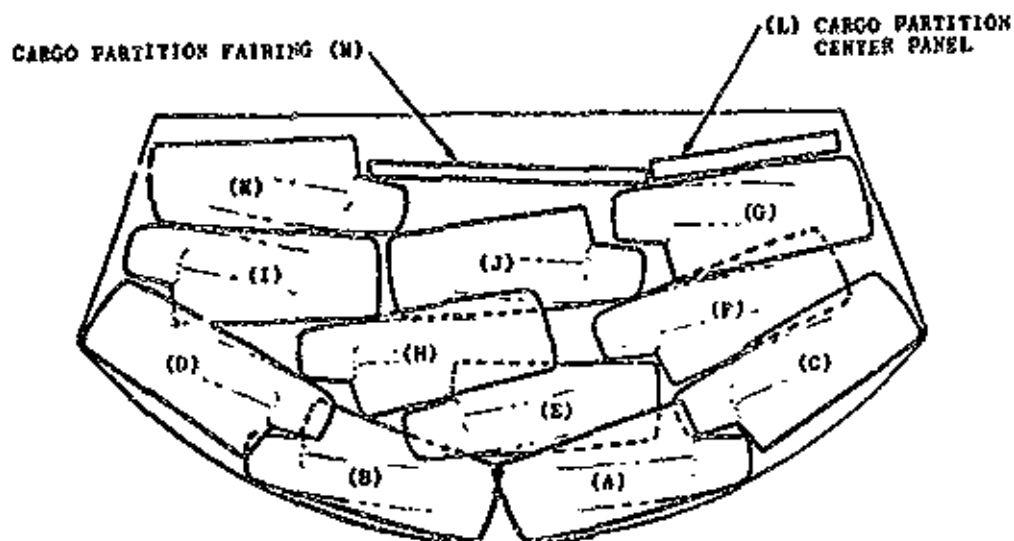


LOOKING FORWARD
 FROM IMMEDIATELY AFT OF FORWARD DOOR,
 AFT LOWER CARGO COMPARTMENT

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MAINTENANCE MANUAL

- (m) Place cargo partition fairing on top of seats at ceiling.
- (2) Area aft of aft door (see Figure 206, Sheet 11 of 11):
 - (a) Place item A, right seat, back down, arm rest forward, on floor against right wall and aft bulkhead.
 - (b) Place item B, right seat, back up, arm rest forward, next to item A.
 - (c) Place item C, left seat, back down, arm rest forward, next to item B.
 - (d) Place item D, right seat, back up, arm rest aft, on item B.
 - (e) Place item E, left seat, back up, arm rest aft, on item A.
 - (f) Place item F, left seat, back down, arm rest forward, on item D.
 - (g) Place item G, left seat, back up, arm rest forward, on items E and F.
 - (h) Place item H, left seat, back up and outboard, arm rest forward, on items C and F.
 - (i) Place cargo partition header on top of seats and remaining two panels of partition between left side wall and item H.

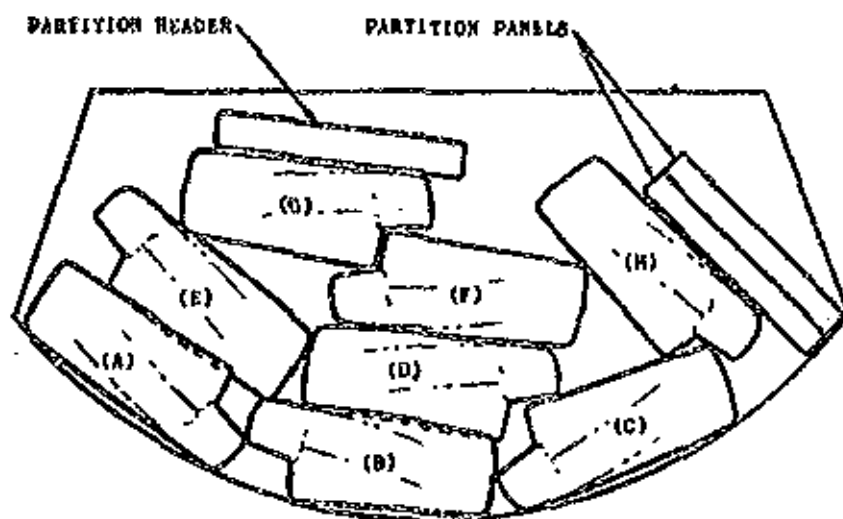


LOOKING FORWARD
FROM AFT DOOR, AFT LOWER CARGO COMPARTMENT

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- (j) Immediately forward of above equipment, place one left seat crosswise and on edge, with back aft and arm rest to left.
- (3) Area surrounding aft door.
 - (a) Place one liferaft and compartment in space forward of and parallel to crosswise seat.
 - (b) Place remaining 2 left and 3 right seats in area opposite aft door.
 - (c) Place one liferaft compartment, with forward escape slide nesting inside, on top of seats.
 - (d) Install net around aft door.
 - (e) Close aft door.
- K. Prepare for Cabin Conversion and Stowage of Cargo Equipment
 - (1) Open upper cargo door and galley service doors.



LOOKING AFT
FROM AFT DOOR, AFT LOWER CARGO COMPARTMENT

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- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be utilized for the loading of seats and small equipment.

- (3) Recommended stations, work crews, and task assignments (see Paragraph No. 4, A).

L. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and position equipment on left side of airplane near upper cargo door.
- (2) Locate two equipment box storage racks in forward lower cargo compartment (see Figure 206, Sheet 1 of 11).
- (3) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

M. Remove - Crew Protection and Convenience Equipment

- (1) Remove cargo aisle nets, if applicable (see 25-50-2).
- (2) Remove barrier net (see 25-50-2).
- (3) Remove crew galley and horizontal beam (see 25-50-2).
- (4) Remove carry-on toilet, if applicable.

N. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor (see 25-51-0).
 - (a) Check for damage or wear.
 - (b) Pack in proper cargo equipment box.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

O. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes on storage racks (see Figure 206, Sheet 1 of 11).
- (2) Load and secure all loose equipment not utilized in all-passenger configuration.

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P. Install Cabin Equipment -- Aft Section

- (1) Remove coatroom partitions from aft lavatory area and temporarily place them forward of aft doors.
- (2) Install floor coverings:
 - (a) Loosen screws in thresholds.
 - (b) Seal area to be covered with Mylar.
 - (c) Attach fiberglass panels to Mylar, using double-backed tape.
 - (d) After inserting floor covering under thresholds, attach floor covering to fiberglass with double-backed tape.
 - (e) Tighten thresholds.
- (3) Install galley No. 5 (see 25-30-0).
 - (a) Load galley into cabin through aft service door.
 - (b) Open overhead water tank access door.
 - (c) Rest galley on edge so top inboard corner is directly below opened access area and bottom is in galley No. 4 area.
 - (d) Place galley No. 5 in an upright position by lifting top inboard corner of galley into opened access area as bottom is moved towards left side of airplane. Slide galley into position.
 - (e) Secure and connect galley No. 5.
- (4) Install galley No. 4 (see 25-30-0).
- (5) Install galley No. 3 (see 25-30-0).
- (6) Install aft double coatroom.
 - (a) Place coatroom partition in position. Do not secure.
 - (b) Attach coatroom shelf and oxygen bottle to coatroom partition.
 - (c) Secure coatroom partition in place.
 - (d) Connect electrical power supply in ceiling for oxygen surge valve and in wall for intercom system.
 - (e) Connect and check coatroom oxygen system.
- 1) Remove caps from outlets and connect cylinder regulator to cylinder.

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2) Depress first aid automatic supply valve toggle to RESET position. When released, valve toggle will move to AUTOMATIC position.

3) Safety valve in open position with lockwire.

WARNING: MAKE CERTAIN THAT THE FIRST AID OXYGEN CYLINDER SHUTOFF VALVE IS IN THE OPEN POSITION.

4) Leak-test oxygen system (see Chapter 35).

(f) Install coatroom oxygen line running from ceiling fitting to tee just below coatroom shelf position.

(7) Install aft single coatroom.

(a) Attach coatroom shelf and cabinet door.

(b) Position coatroom and secure to ceiling and floor.

(8) Connect stowage racks in aft section (see 25-25-0).

(9) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.

(10) Install emergency equipment:

(a) Install escape slides in door areas (see 25-60-1).

(b) Install liferaft compartments (see 25-63-0).

(c) Check to insure that all emergency equipment is in place (see 25-60-0).

(11) Install passenger seats (see 25-23-1).

NOTE: Begin to install the seats in the aft section of the airplane and progress forward as the conversion of the center and forward sections is completed.

Q. Install Cabin Equipment -- Center Section

(1) Install carpets, using retaining strip inside carpet rolls to secure carpet in place.

(2) Connect stowage racks in center and forward sections (see 25-25-0).

R. Install Cabin Equipment -- Forward Section

(1) Install crew lavatory (see 25-40-0).

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- (2) Install floor coverings in doorway and galley areas.
 - (a) Loosen screws in thresholds.
 - (b) Seal area to be covered with Mylar.
 - (c) Attach fiberglass panels to Mylar, using double-backed tape.
 - (d) Insert floor covering under thresholds and attach floor covering to fiberglass with double-backed tape.
 - (e) Tighten thresholds.
- (3) Install galley No. 1 (see 25-30-0).
- (4) Install galley No. 2 (see 25-30-0).
- (5) Close and secure upper cargo door (see Chapter 52).
 - (a) Install liners and snap-out panels.
- (6) Install carpets, using retaining strips inside rolls to secure carpet in place.
- (7) Install remaining seats (see 25-23-1).

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried on the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from zero to fourteen pallets. If bulk cargo is being carried, an aisle is provided along the left side by an aisle net and stanchions.
- B. Two Type 1 emergency exits are located at floor level. In many cargo/passenger configurations activation of these exits is required.
- C. In the all cargo configuration the toilet vent must be closed.
- D. All but two smoke detector pickups are located to the left of airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- E. Provisions for 25-man liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides at entrance and service doors.
 - (2) Aft double attendant's seat.
 - (3) Aft galley units.
 - (4) First aid kit in aft coatroom.
 - (5) Fire extinguisher (CO₂) in aft coatroom.
 - (6) Portable oxygen cylinders (with masks) in overhead stowage racks.
 - (7) Type 1 emergency exits not usable.
 - (8) Type 1 emergency exits usable (for seat clearance see Figure 202) evacuation slides at Type 1 exits.
 - (9) Oxygen masks in overhead stowage racks.
 - (10) Type III emergency exits usable; for seat clearance see Figure 202.
 - (11) Fire extinguishers (H₂O and CO₂) in forward coatroom.

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- (12) Double attendant's seat, forward.
- (13) Forward cargo barrier net and crew galley. (See Figure 201.) Fire extinguisher, dry, with applicator, in radio rack. Provisions for 10-man liferaft on floor near observer's station.
- (14) Movable passenger/cargo divider partition (cargo/passenger configurations only).
- (15) Provisions for 25-man liferafts in removable compartments in overhead stowage racks.
- (16) Galley unit No. 1.
- (17) Galley unit No. 2.
- (18) Smoke detector units (see Figure 203).
- (19) Close toilet vent outlet, located on outer skin outboard of forward aft lavatory, by rotating cover plate 180 degrees.
- (20) Plug-in utility trays with adapters. One adapter required for each triple seat without another seat forward.

3. General Requirements for Conversion and Stowage of Cabin Equipment

- A. The cabin can provide seats for 162 passengers, or it has room for 14 pallets or several combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing a 14-pallet loading system (excluding pallets) stowed in the lower cargo compartments. A portable toilet, courier seat, and supplemental courier seat may also be carried when necessary.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

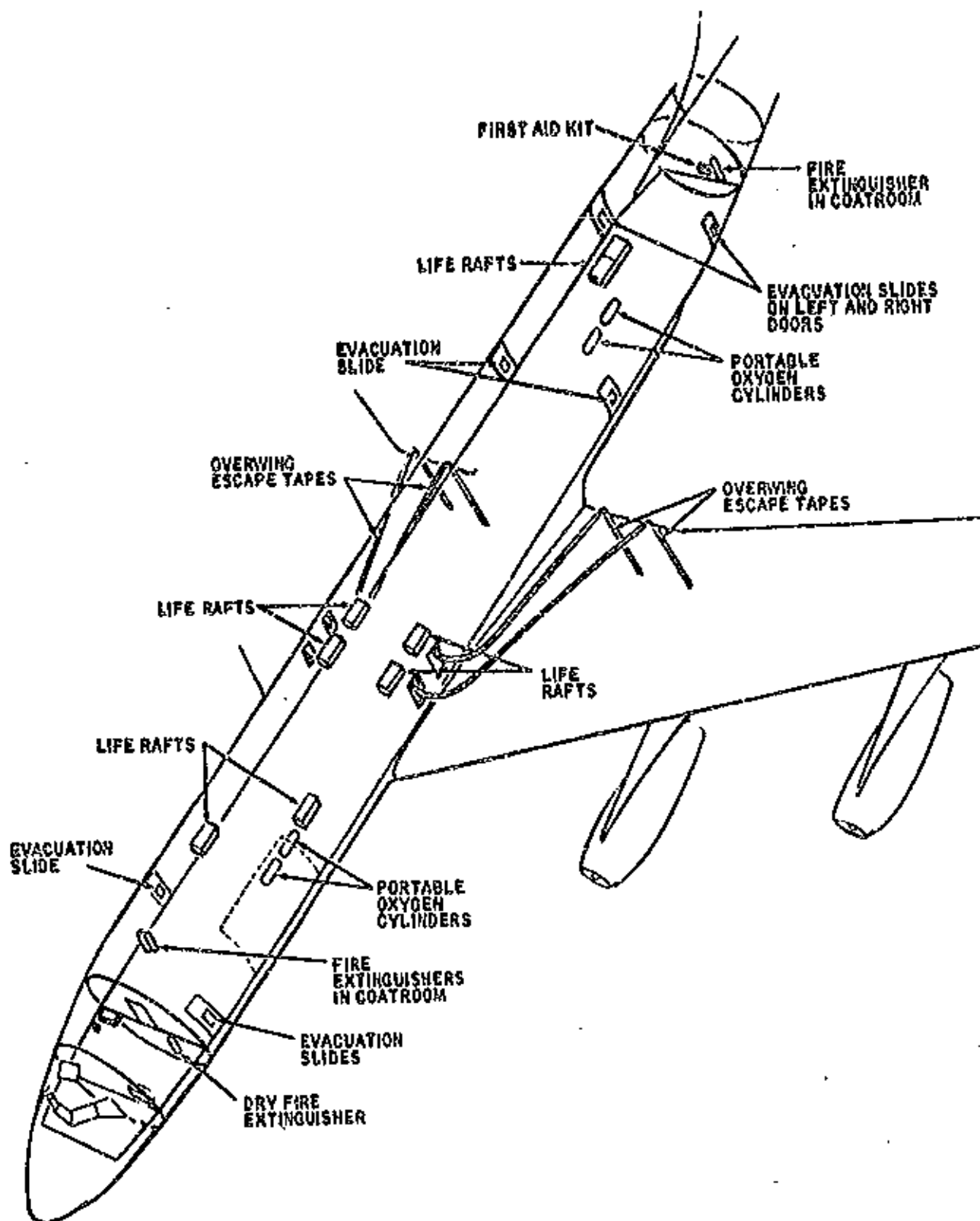
NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

4. Conversion and Stowage of Cabin Equipment

- A. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.

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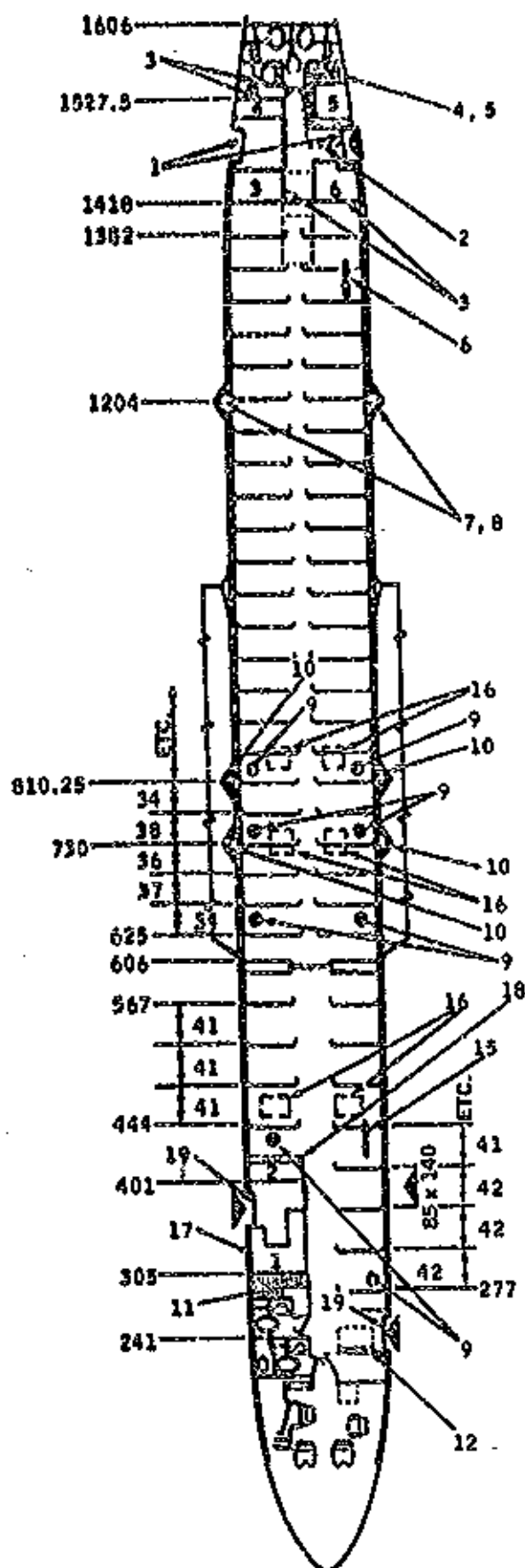


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Cargo/Passenger Conversion
 Figure 201 (Sheet 1 of 3)

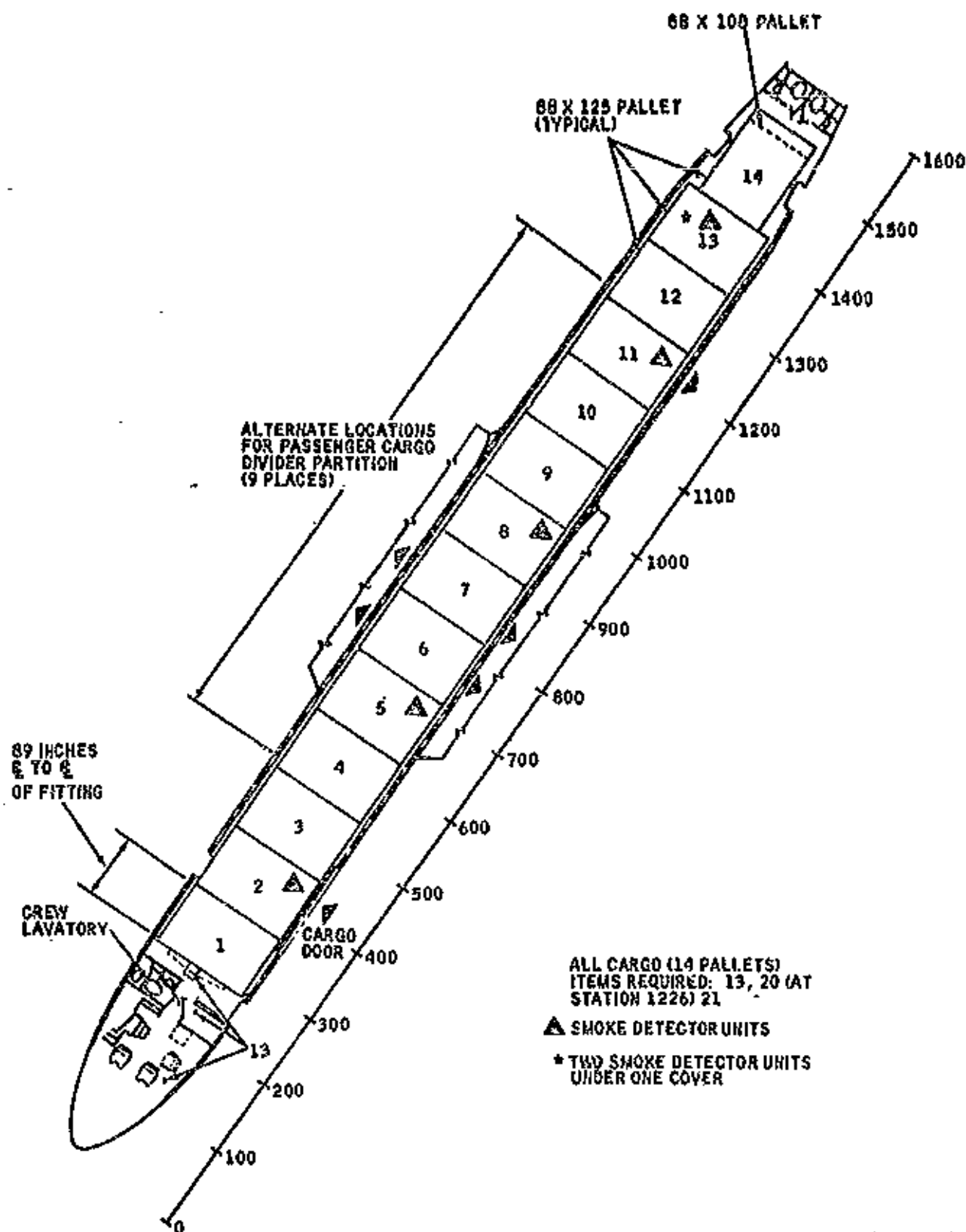
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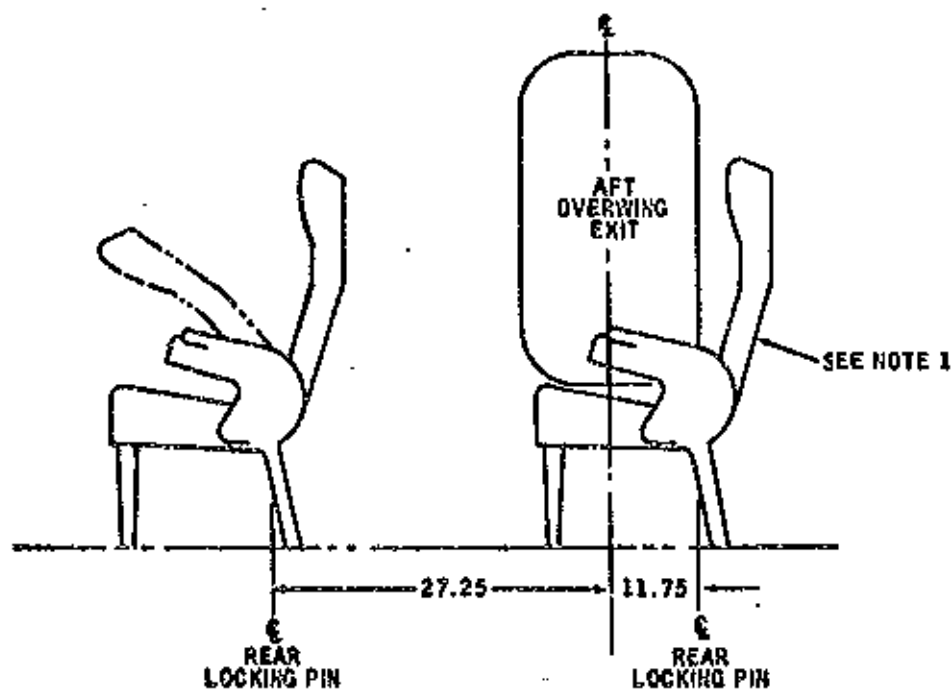
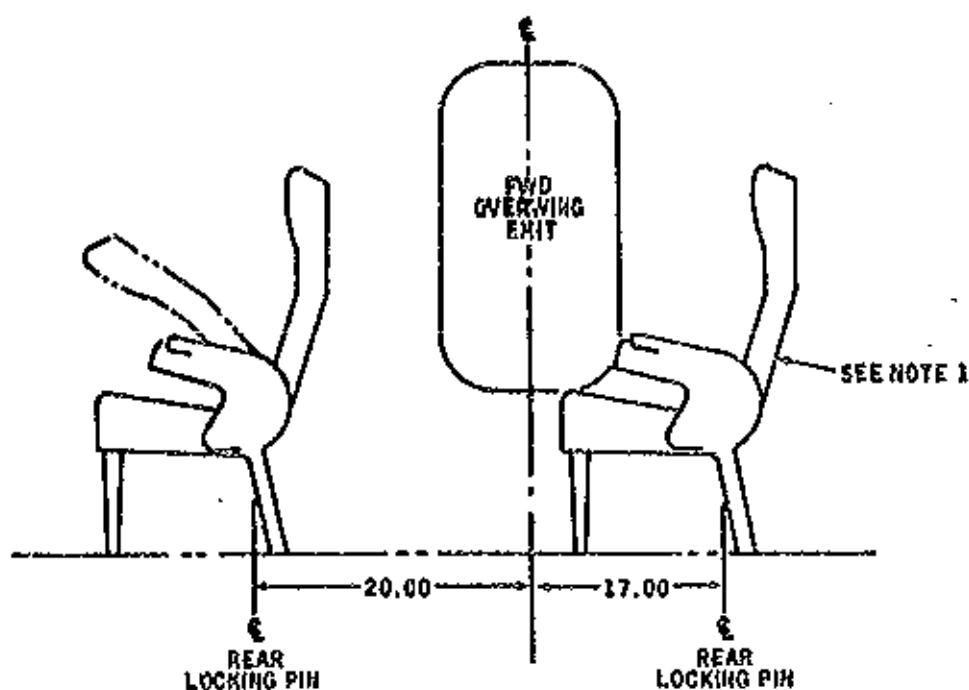
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ALL CARGO (14 PALLETS)
 ITEMS REQUIRED: 13, 20 (AT
 STATION 1226) 21
 ▲ SMOKE DETECTOR UNITS
 * TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

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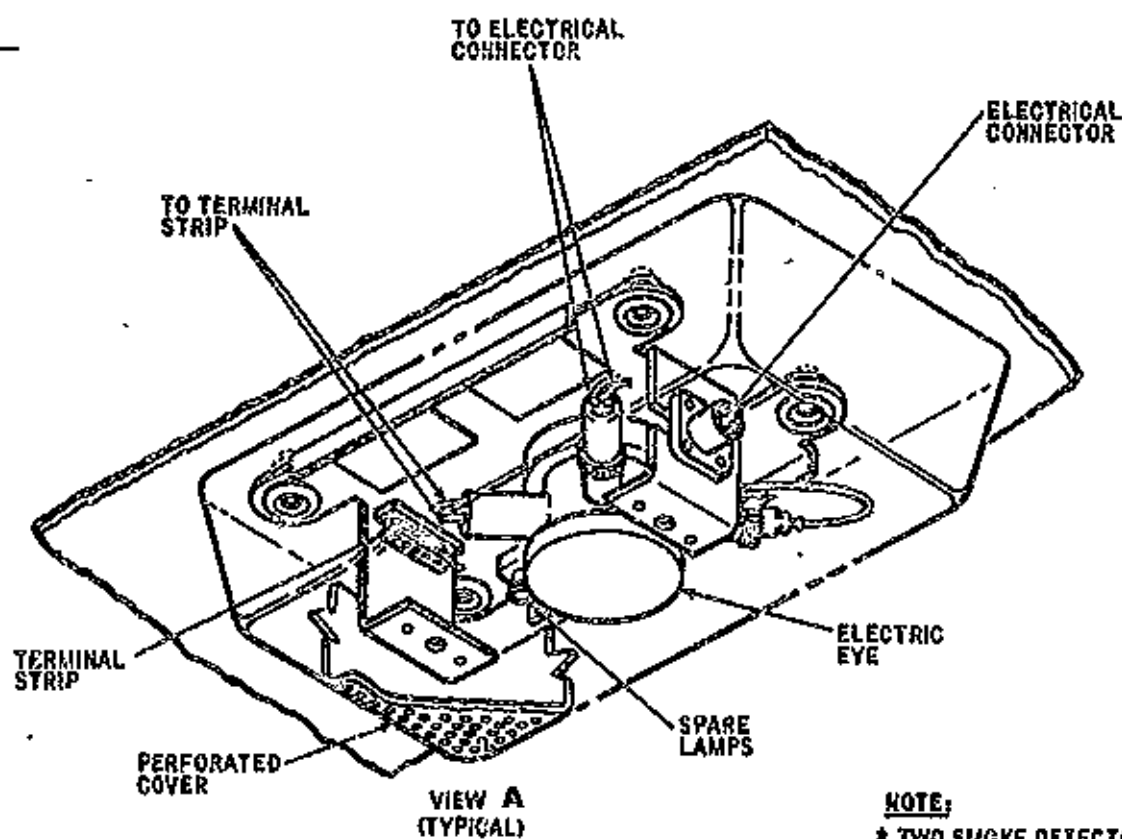
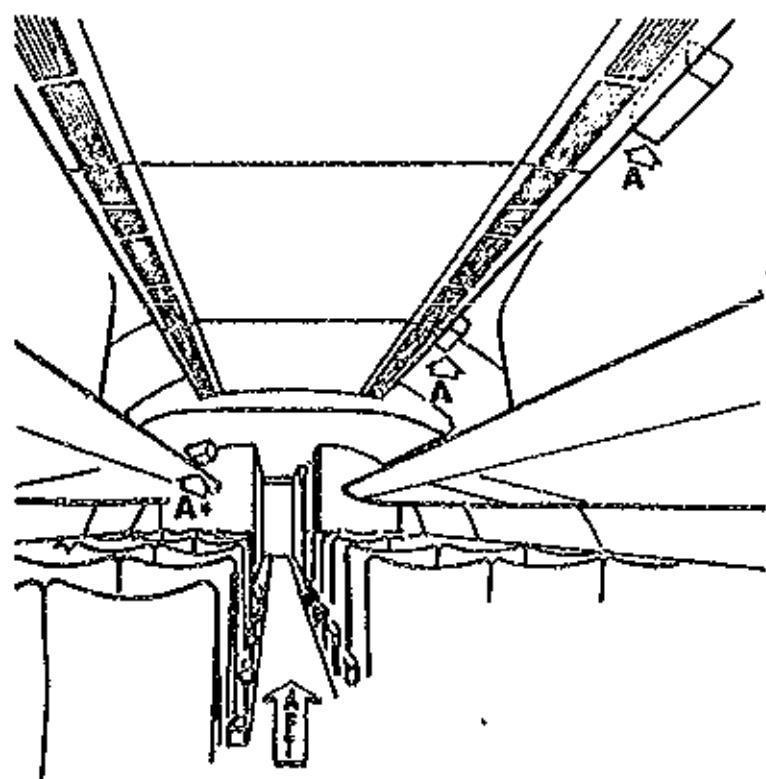


NOTES:

1. LOCK OUTBOARD BACK REST TO PREVENT BACK REST FROM FOLDING FORWARD INTO EMERGENCY EXIT OPENING.
2. DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

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NOTE:
 * TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

HA2-5124A

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- (2) Position one forklift or pallet loader at each galley service door.

NOTE: The forklifts or pallet loaders used must have a vertical lift of 11 feet. If forklifts are used, a 7 x 10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.

B. Recommended Stations, Work Crews and Assigned Tasks

- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
- (3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

NOTE: For maximum efficiency, crews No. 1 and 2 should work simultaneously and independently of crews No. 3 and 4.

C. Remove Cabin Equipment - Forward Section

- (1) Remove evacuation slides from passenger entrance and galley service doors.
- (2) Fold down seat backs, disconnect seat from seat track, and remove seat.
- (3) Remove floor covering. (See 25-27-0.)
 - (a) Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.
 - (b) Loosen threshold screws at cockpit entrance and remove floor covering. Tighten screws.
 - (c) Remove thresholds, cover strips, and floor covering in area of forward galleys.
- (4) Convert upper cargo door. (See 52-36-1.)
 - (a) Remove cover from smoke detector unit over cargo door (see Figures 201 and 203).
 - (b) Remove liners from bottom of door.
 - (c) Remove snap-out panels from door.
 - (d) Unlatch and open door.

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MAINTENANCE MANUAL

- (5) Unloaded cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed. Place the equipment near the forward lower cargo compartment.

- (6) Remove portable oxygen cylinders from stowage racks and stow in aft lavatories.
(7) Remove liferaft compartments from stowage racks.
(8) Fold down overhead stowage racks in area where seats have been removed (see 25-25-0).

NOTE: Remaining overhead stowage racks may be folded down as seats are removed.

- (9) Remove coatroom shelf, header, and ceiling liner from coatroom forward of galley No. 1.
(10) Remove curtain between galleys No. 1 and 2 and stow in aft lavatory.
(11) Remove ceiling panel and galley fairings covering water supply tanks.
(12) Disconnect and remove galley No. 1 (see 25-30-0).
(13) Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure bag to one section.
(14) Remove galley fairings, disconnect, and remove galley No. 2 (see 25-30-0).
(15) Remove fire extinguishers and brackets from forward coatroom and stow in aft lavatories.
(16) Disconnect and disassemble lavatory and coatroom located forward of galley No. 1 (see 25-41-0).
(17) Install cargo loading system.

- (a) Install cargo loading system hardware for pallet positions No. 1, No. 2, and No. 3.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

D. Remove Cabin Equipment - Aft Section

- (1) Remove containers with evacuation slides from passenger entrance and galley service doors.
(2) Remove aisle and galley curtains and stow in aft lavatory.
(3) Remove fire extinguishers and brackets from aft coatroom and stow in aft lavatory.
(4) Remove first aid kit, oxygen masks, coatroom shelf, and curtain from coatroom and stow in aft lavatory.
(5) Remove partition, with attendants' seat, located forward of galley No. 5.

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- (6) Disconnect and remove aft galleys (see 25-30-0).

NOTE: Disassemble galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to one section.

- (7) Remove forward aft lavatory (see 25-40-0).

NOTE: If an 88- x 108-inch pallet is used in pallet position 14, the forward aft lavatory need not be removed. If an 88- x 125-inch pallet is used, remove the forward aft lavatory on the right side.

- (8) Fold down seat backs, disconnect seat from seat track, and remove seat.

- (9) Unload cabin equipment and position near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the forward lower cargo compartment.

- (10) Roll up carpet, placing plastic retaining strips inside rolls, tie roll separately, and remove carpet.

- (11) Remove portable oxygen cylinders, with masks, from overhead stowage racks and stow in aft lavatory.

- (12) Remove screws in threshold and cover strips. Remove floor covering, then install and tighten screws.

E. Remove Cabin Equipment -- Center Section

- (1) Remove evacuation slides and containers from Type I emergency exit doors, right and left sides.

- (2) Fold down seat backs, disconnect seat from seat track, and remove seat.

- (3) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Unload equipment and place near aft lower cargo compartment.

- (4) Roll up carpets, placing plastic retaining strips inside rolls, tie each roll separately, and remove carpet.

- (5) Remove liferaft compartments from right and left overhead stowage racks.

- (6) Remove oxygen masks from left and right bag racks and stow in aft lavatory.

- (7) Remove movable divider partition (see 25-24-0). Stow curtain in aft lavatory.

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F. Remove Cargo Loading System Equipment Hardware

- (1) Unload cargo equipment boxes from forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

- (2) After cargo loading system has been removed from boxes install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.
- (3) Unload forward barrier net, crew galley if applicable. Place near forward upper cargo door.
- (4) Unload cargo partition sections and hardware.

G. Install Crew Protection and Convenience Equipment

- (1) Install crew galley and horizontal beam.
- (2) Install barrier net.

G1. Install Cargo Separator Net, station 1540.

- (1) Remove fitting covers (8 places).
- (2) Starting at top of net, attach anchor fittings to anchor plates and tie down tracks. Anchor fittings are installed by depressing center pins downward, inserting stud into anchor plate or tie down track, as applicable, sliding stud into position, and releasing center pin to permit stud to be locked in position by anchor fitting body.
- (3) Adjust strap buckles to provide 5 to 20 pounds tension.

NOTE: With separation net installed, only 88 x 108 inch pallet may be used in pallet position 14.

H. Load Cargo Loading System Equipment Boxes and Cabin Equipment

- (1) Place cargo equipment boxes in forward lower cargo compartment.
- (2) Stow cabin equipment in lower cargo compartments.

I. Prepare for Cabin Conversion (Cargo to Passenger)

- (1) Open upper cargo door and galley service doors.

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- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7 x 10 foot pallet should be utilized for loading of seats and small equipment.

- (3) Recommended stations, work crews, and task assignments (see Paragraph A).

J. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

K. Remove Crew Protection and Convenience Equipment

- (1) Remove barrier net.
- (2) Remove crew galley and horizontal beam.

K1. Remove Cargo Separator Net, station 1540.

- (1) Release tension on net straps by releasing adjustment buckles.
- (2) Starting at bottom of net, depress anchor fittings center pins and slide studs to remove from tie down tracks and anchor plates.
- (3) Remove net assembly.
- (4) Install anchor plate covers.

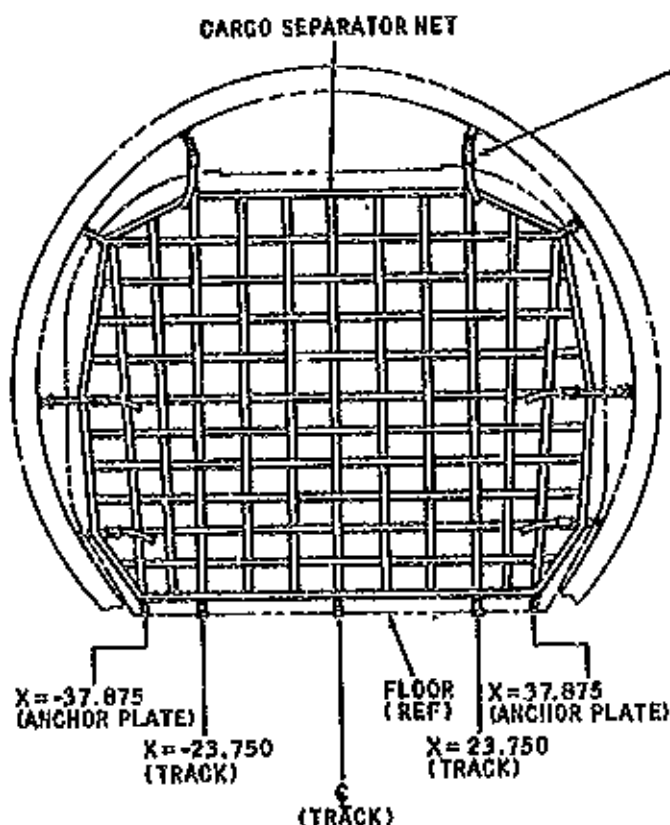
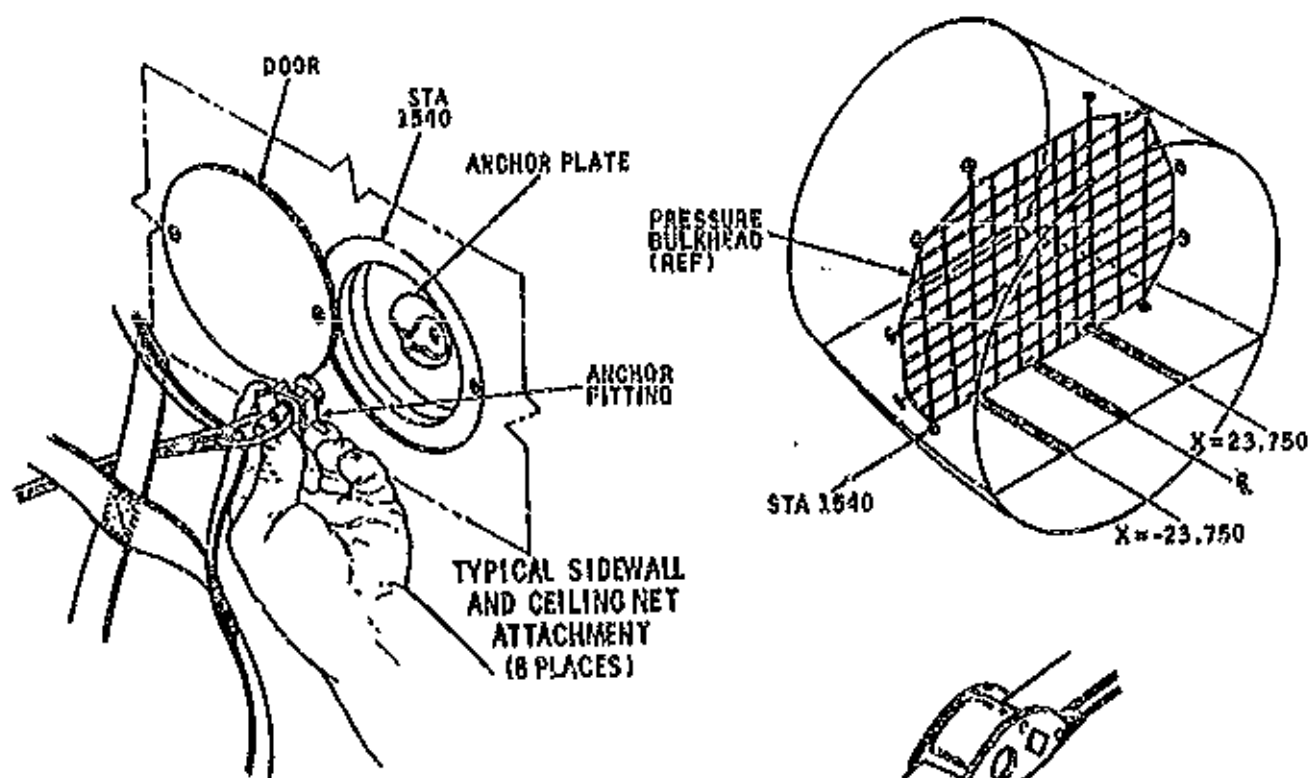
L. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect for damage or wear.
 - (b) Pack in cargo equipment boxes.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

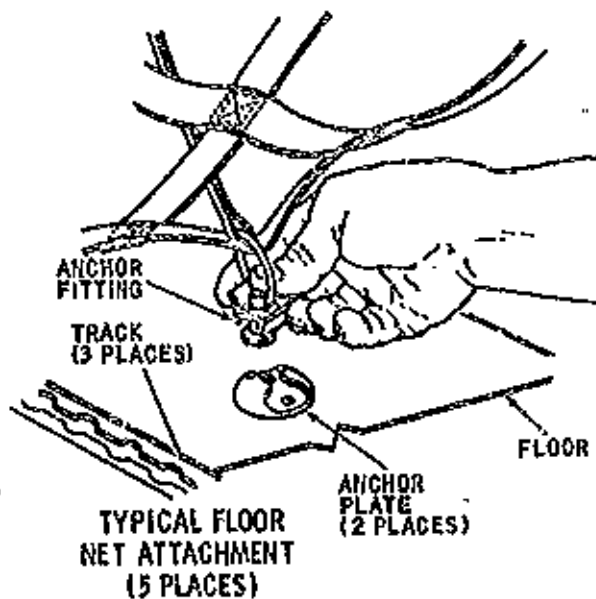
M. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

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ADJUSTMENT BUCKLE
 (6 PLACES) ADJUST
 TENSION TO 5-20 POUNDS



VIEW LOOKING AFT
 AT STATION 1540

Cargo Separator Net
 Figure 204

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N. Install Cabin Equipment -- Aft Section

- (1) Install floor covering.
 - (a) Loosen screws in thresholds.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-backed tape.
 - (d) After inserting floor covering under thresholds, attach floor covering to fiberglass panels with double-backed tape.
 - (e) Tighten screws in thresholds.
- (2) Install forward aft lavatory if lavatory was removed to accommodate 88 x 125-inch pallet (see 25-40-0).
- (3) Assemble and install aft galleys (see 25-30-0).
- (4) Install aft coatroom shelf and curtain.
- (5) Connect overhead stowage racks in aft section (see 25-25-0).
- (6) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (7) Install partition, with attendants' seat, forward of galley No. 5.

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- (8) Install aisle and galley curtains.
- (9) Install passenger seats (see 25-23-1).

NOTE: Install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

O. Install Cabin Equipment -- Center Section

- (1) Install carpets, using retaining strip inside carpet rolls to secure carpet in place.
- (2) Raise and connect overhead stowage racks (see 25-25-0).
- (3) Install movable divider partition and curtain (see Figure 201).

P. Install Cabin Equipment -- Forward Section

- (1) Install crew lavatory, if applicable.
- (2) Assemble and install lavatory and coatroom located forward of galley No. 1 (see 25-40-3).
- (3) Install floor coverings in doorway and galley areas.
 - (a) Loosen screws in thresholds.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-backed tape.
 - (d) Insert floor covering under thresholds and attach floor covering to fiberglass with double-faced tape.
 - (e) Tighten screws in thresholds.
- (4) Assemble and install galley No. 1 (see 25-30-0).
- (5) Install coatroom shelf, header, ceiling liner, and galley fairings.
- (6) Install galley No. 2 and galley fairings.
- (7) Install ceiling panel between galleys No. 1 and No. 2 (see 25-30-0).
- (8) Raise and connect overhead stowage racks (see 25-25-0).
- (9) Close and secure upper cargo door (see Chapter 52).
 - (a) Install liners and snap-out panels.
- (10) Install cover over smoke detector unit located above upper cargo door.

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(11) Install carpets, using retaining strips inside rolls to secure carpet in place.

(12) Install remaining seats (see 25-23-1).

Q. Install Emergency Equipment (see Figure 201).

(1) Install evacuation slides on forward and aft passenger entrance and galley service doors.

(2) Install evacuation slides at Type I emergency exit doors.

(3) Install liferaft compartments on overhead storage racks.

(4) Install first aid kit in aft coatroom.

(5) Install fire extinguisher (CO₂) in aft coatroom.

(6) Install portable oxygen cylinders and masks.

(7) Install fire extinguishers (H₂O and CO₂) in forward coatroom.

(8) Check to ensure that all emergency equipment is properly installed.

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MAINTENANCE MANUAL

CARGO/PASSENGER CONVERSION - MAINTENANCE MANUAL

1. General

- A. The airplane may be operated in all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried on the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from zero to fourteen pallets. If bulk cargo is being carried, an aisle is provided along the left side by an aisle net and stanchions.
- B. Two Type I (Jetescape) emergency exits are located at floor level. In many cargo/passenger configurations activation of these exits is required.
- C. In the all cargo configuration the toilet vent must be closed.
- D. All but two smoke detector units are located to the left of the airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo handling and to prevent being damaged.
- E. Provisions for liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides on entrance and service doors.
 - (2) Attendant's seat.
 - (3) Aft galley units.
 - (4) First aid kit and oxygen masks in aft coatroom.
 - (5) Fire extinguishers (CO₂ and H₂O) in coatroom.
 - (6) Portable oxygen cylinders (with masks) in overhead stowage racks.
 - (7) Provisions for liferafts in aft drop ceiling.
 - (8) Type I emergency exits not usable.
 - (9) Type I emergency exits usable (for seat clearance see Figure 202). Evacuation slides at Type I exits.
 - (10) Oxygen masks in overhead stowage racks.

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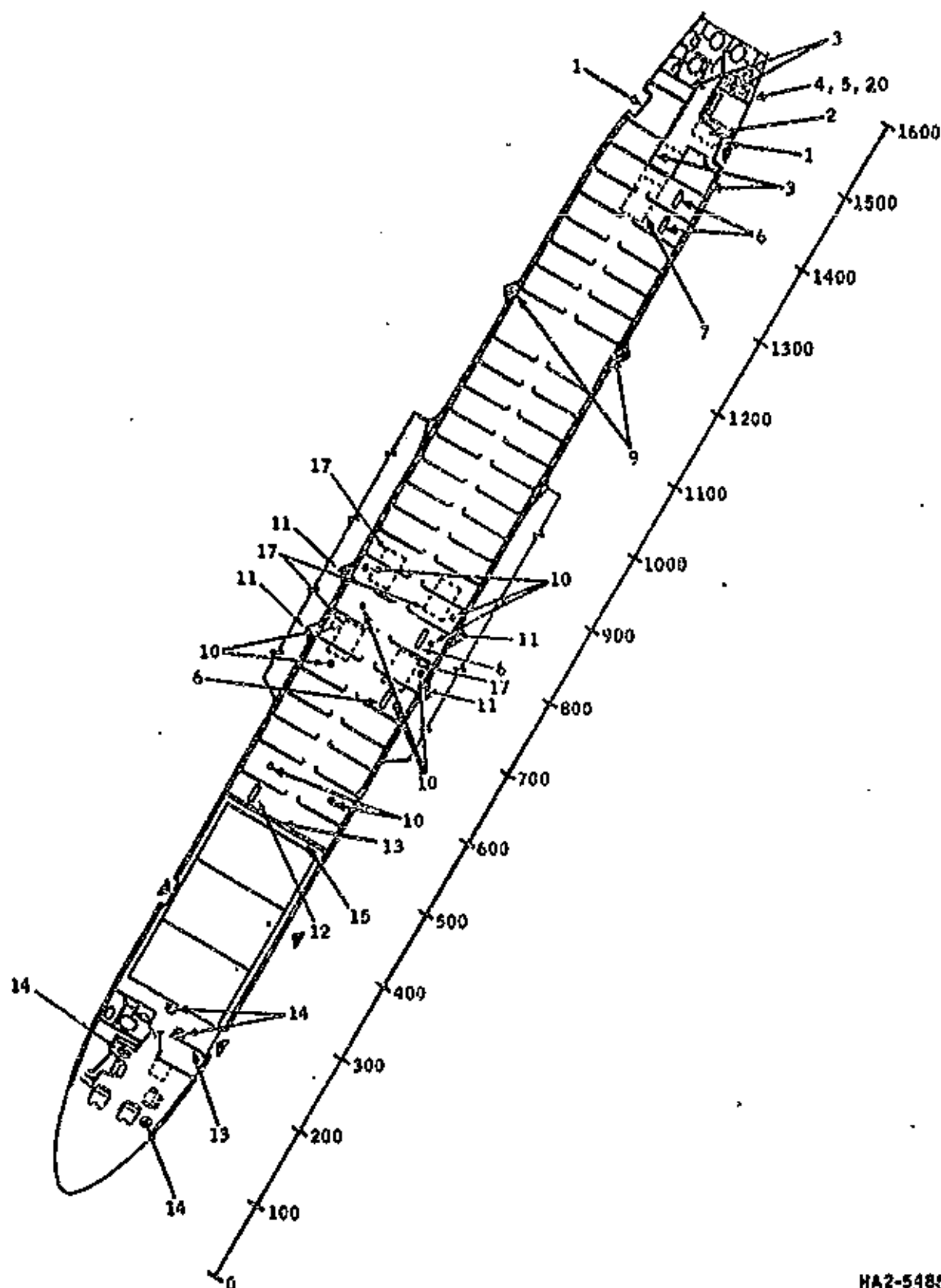
- (11) Type III emergency exits usable; for seat clearance see Figure 202.
- (12) Fire extinguisher (H₂O) in overhead stowage rack, forward, right side.
- (13) Provisions for attendant's seat, forward.
- (14) Forward cargo barrier net and crew galley (see Figure 201). Fire extinguisher, dry with applicator, by radio rack. Provisions for liferafts on floor in pilot's compartment.
- (15) Movable passenger/cargo divider partition (cargo/passenger configurations only).
- (16) Universal pallet cargo loading system.
- (17) Liferafts in removable containers.
- (18) Smoke detector units (see Figure 203).
- (19) Close toilet vent outlet, located on outer skin outboard of lavatory, by rotating cover plate 180 degrees.
- (20) Plug in utility trays with adapters required for each seat without another seat forward.

3. General Requirements for Conversion and Stowage of Cabin Equipment

- A. The flexibility of the cabin facilities can provide for a full complement of passengers, or cargo, or several combinations of passengers and cargo.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing a 14-pallet loading system (excluding pallets) stowed in the lower cargo compartments.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.
- D. Paragraph 4C and 4P, for removing and installing the cabin equipment in the forward section, is not applicable to airplanes with the cargo loading system installed in the forward area.

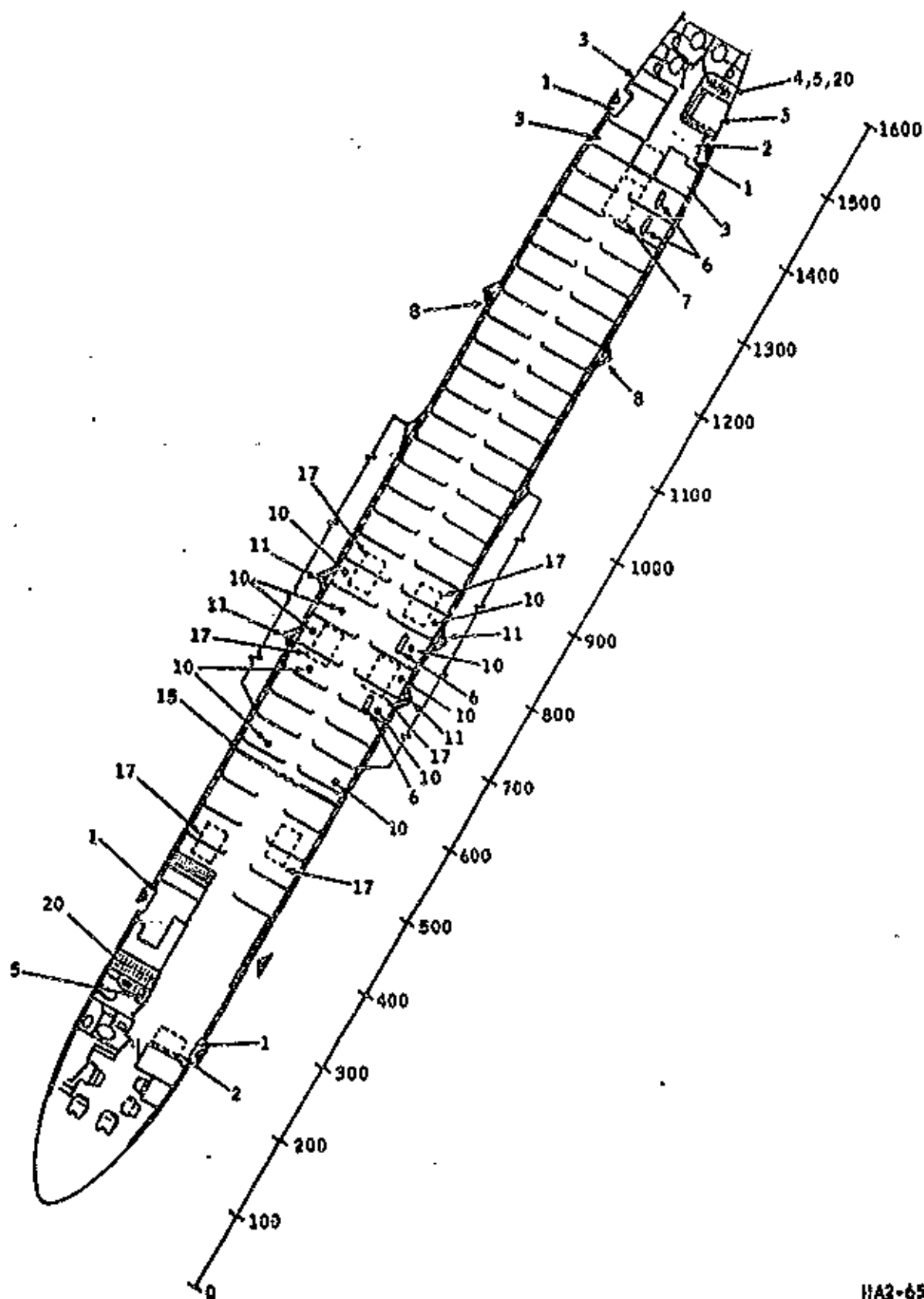
NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

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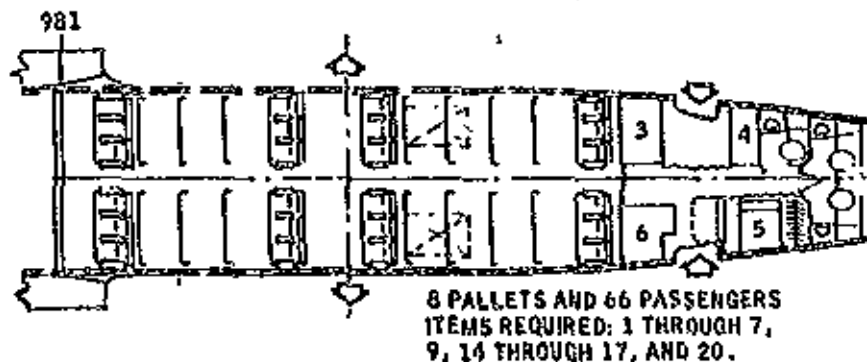
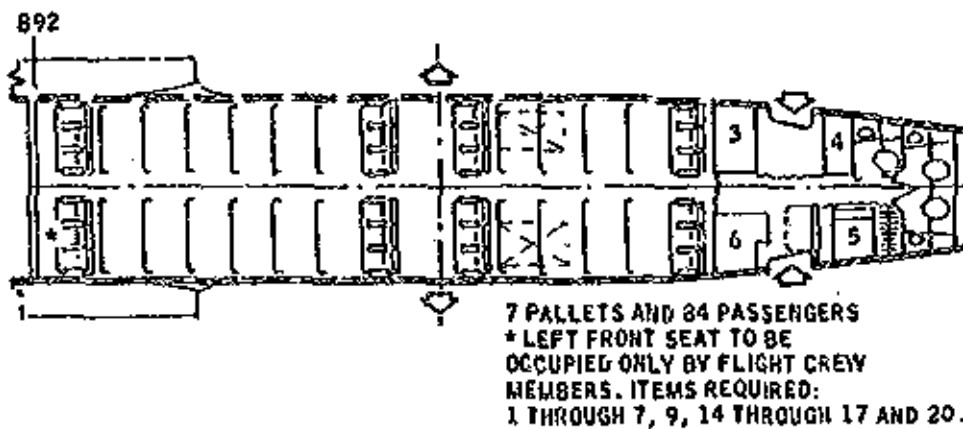
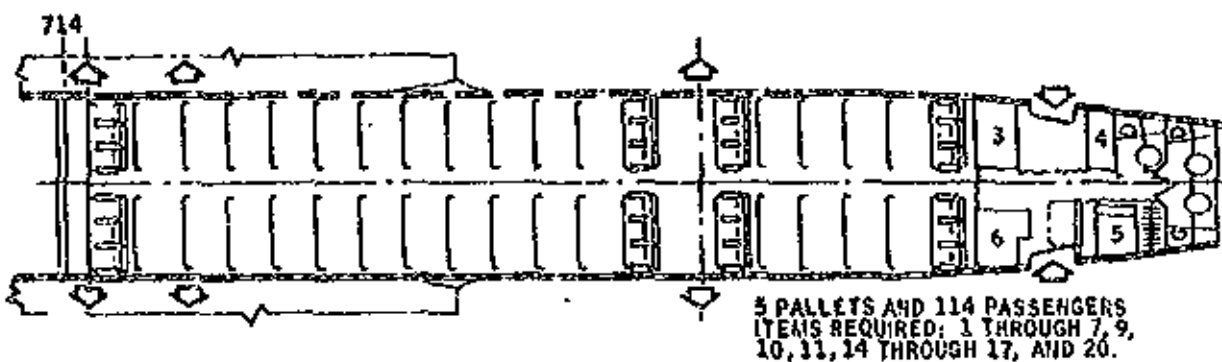
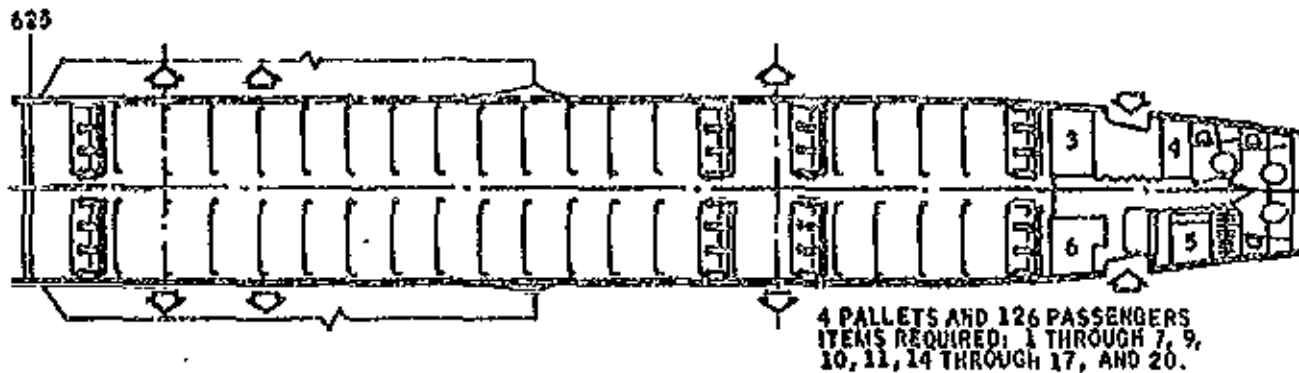
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HA2-6521

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HA2-6199A

Cargo/Passenger Conversion
 Figure 201 (Sheet 3)

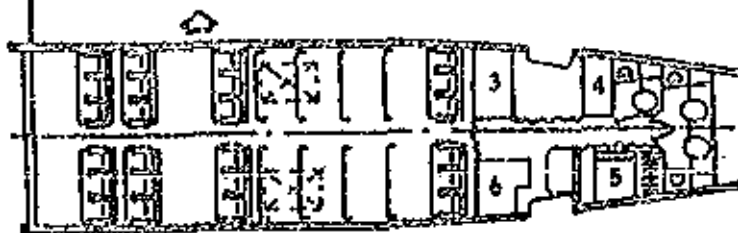
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 Page 204A

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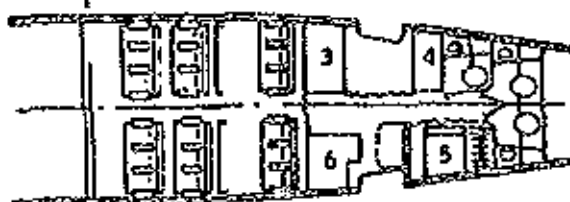
9 PALLETS
 40 PASSENGERS
 ITEMS REQUIRED:
 1 THROUGH 7, 9,
 14 THROUGH 17, AND 20.

1159

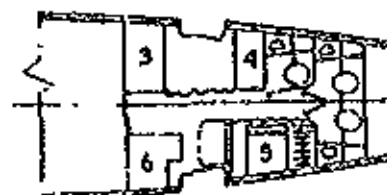


10 PALLETS
 36 PASSENGERS
 ITEMS REQUIRED:
 1 THROUGH 7, 9, 14
 THROUGH 17, AND 20.

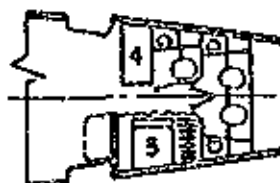
1248



11 PALLETS
 24 PASSENGERS
 ITEMS REQUIRED:
 1 THROUGH 8, 14,
 15, 16, AND 20.



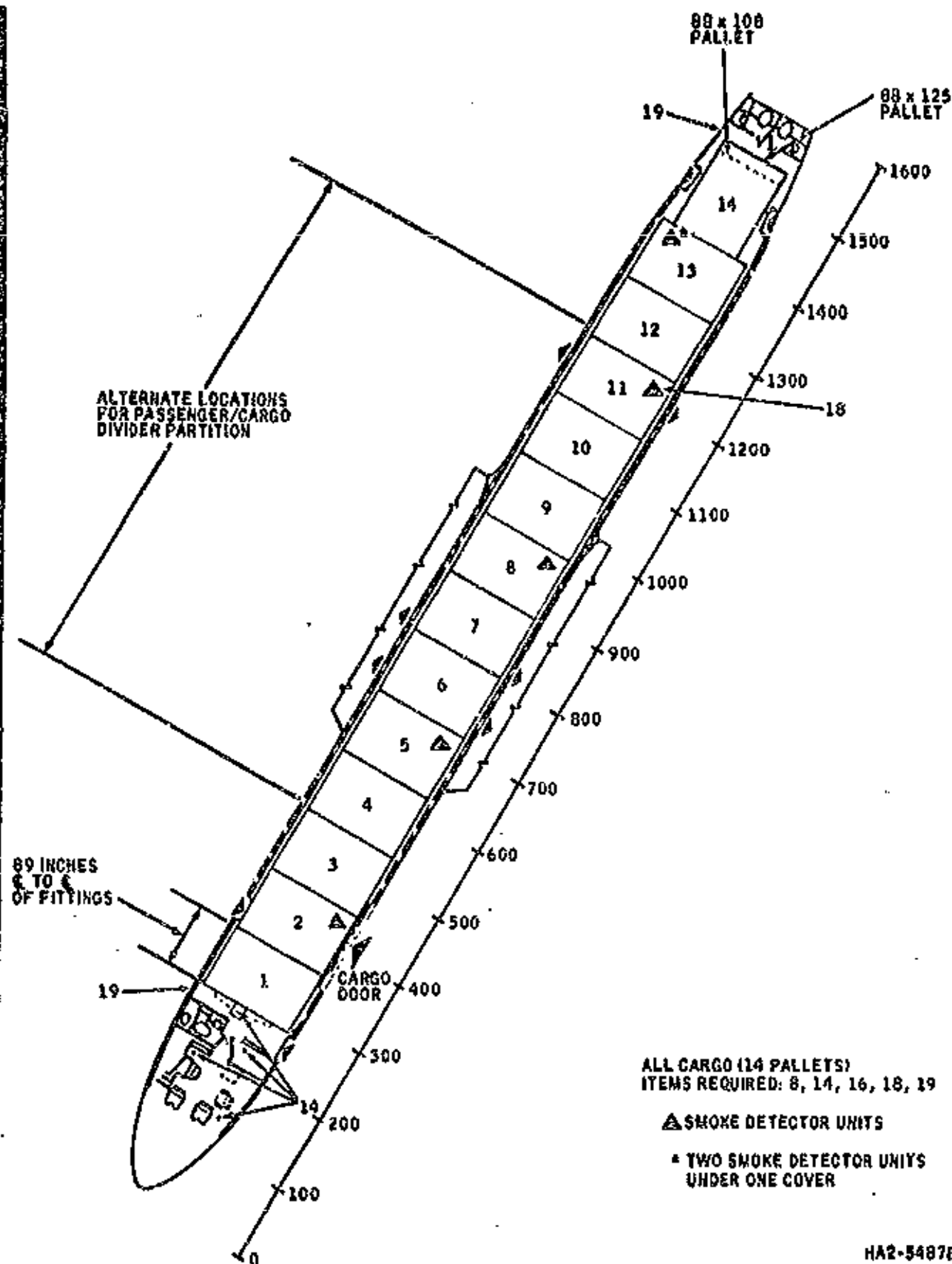
12 PALLETS
 ITEMS REQUIRED:
 8, 14, AND 16.



13 PALLETS
 ITEMS REQUIRED:
 8, 14, AND 16.

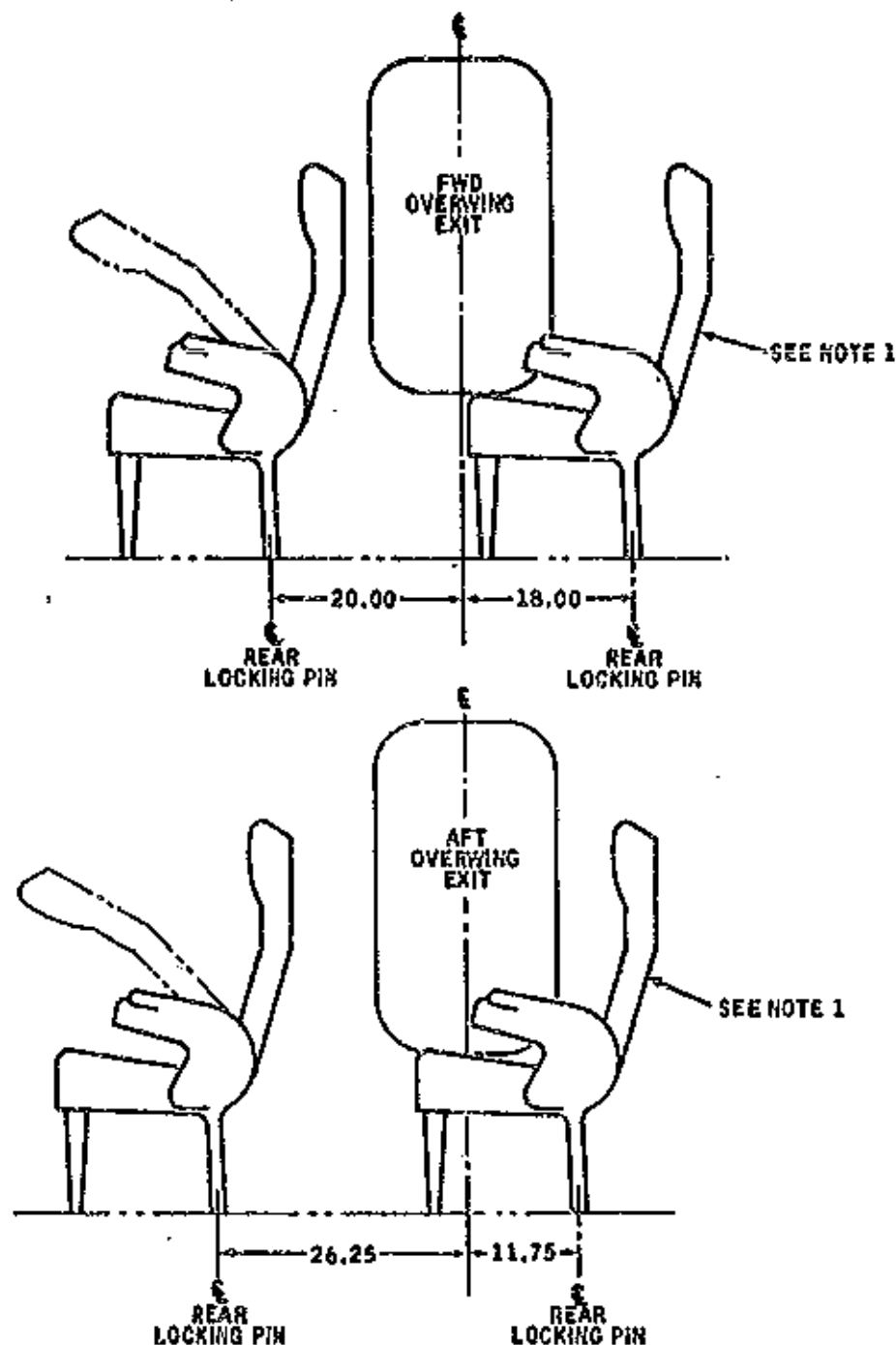
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HA2-5487B

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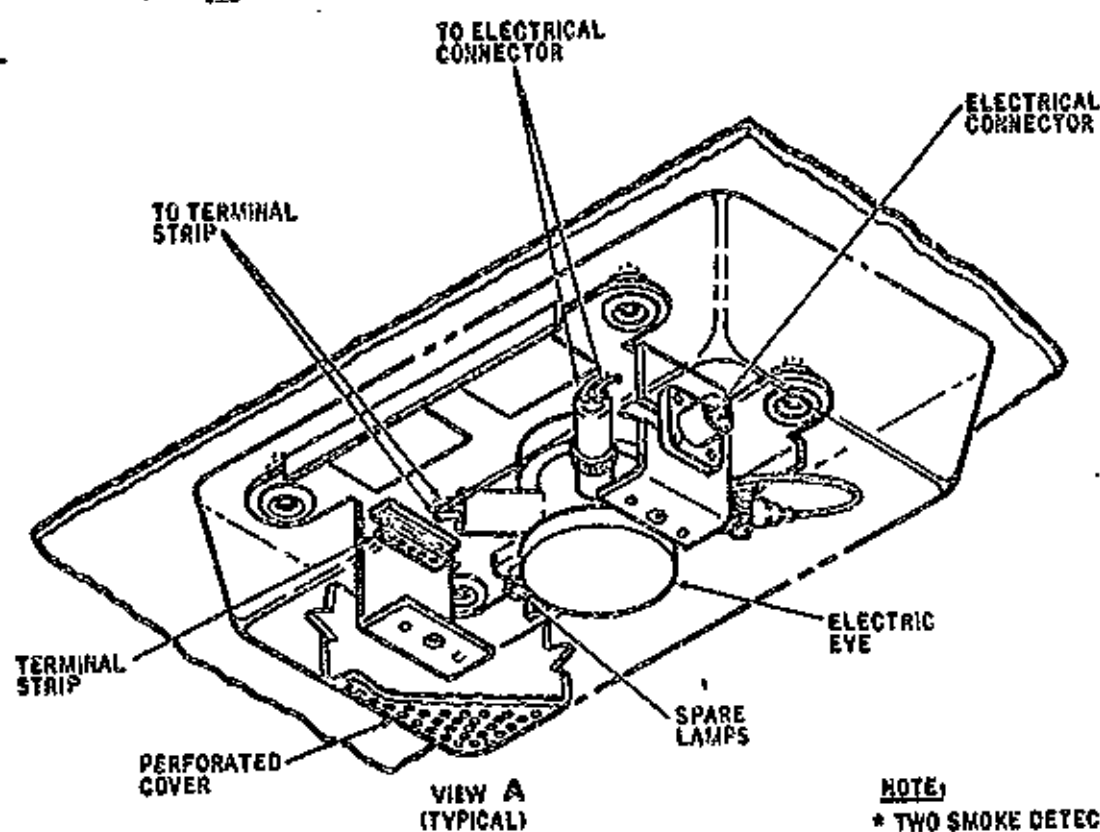
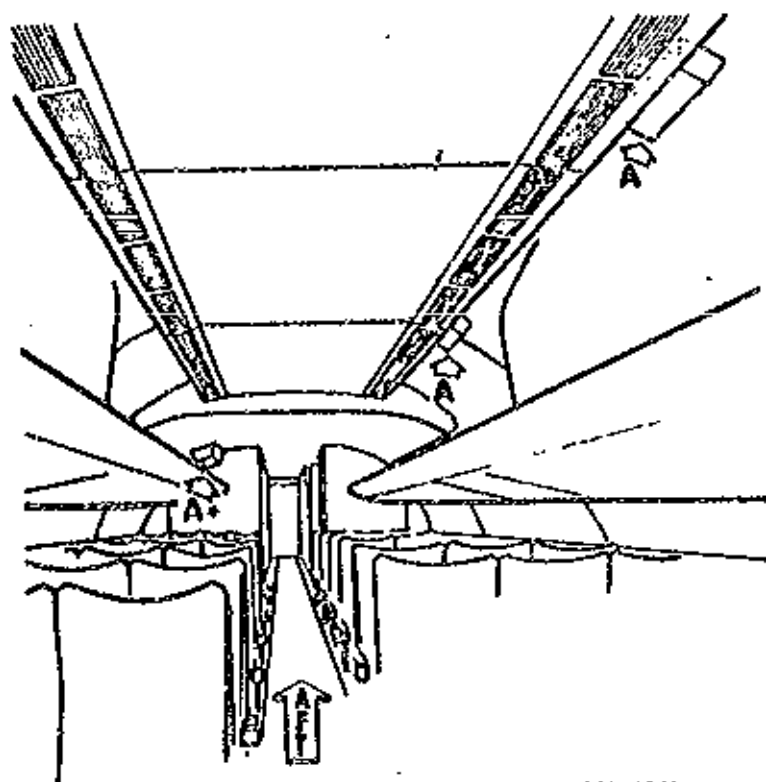


NOTES:

1. LOCK OUTBOARD BACK REST TO PREVENT BACK REST FROM FOLDING FORWARD INTO EMERGENCY EXIT OPENING.
2. DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

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NOTE:
 * TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

Smoke Detector Units
 Figure 203

HA2-3124A

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4. Conversion and Stowage of Cabin Equipment

A. Recommended Stations, Work Crews and Assigned Tasks

- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
- (3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

B. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.
- (2) Position one fork lift or pallet loader at each galley service door.

NOTE: The fork lifts or pallet loaders used must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.

C. Remove Cabin Equipment - Forward Section

- (1) Remove evacuation slides and slide containers from passenger entrance and galley service doors.
- (2) Remove lounge table.
- (3) Remove lounge seats.
- (4) Remove partition located forward of cargo door.
- (5) Remove coatroom located inboard of cargo door.
- (6) Remove cover from smoke detector unit over cargo door (see Figures 201 and 203).
- (7) Convert upper cargo door.
 - (a) Remove liners from bottom of door.
 - (b) Remove snap-out panels from door.

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- (c) Remove snap-on covers at floor and on cargo door jamb side panels forward and aft of cargo door.
- (d) Remove cargo door actuating cylinder cover.
- (e) Unlatch and open door (see Chapter 52).
- (8) Unload cabin equipment and place near forward lower cargo compartment.
NOTE: Equipment may be unloaded as it is removed. Place the equipment near the forward lower cargo compartment.
- (9) Fold down seat backs, disconnect seat from seat track, and remove seat.
- (10) Remove passenger divider partition (see 25-24-0).
- (11) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing plastic seat track covers inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in area of forward galleys. Replace and tighten screws.
- (12) Remove portable oxygen cylinders from overhead stowage racks and stow in aft lavatory.
- (13) Fold down and secure overhead stowage racks in area where seats have been removed (see 25-25-0).
NOTE: Remaining overhead stowage racks may be folded down as seats are removed.
- (14) Remove liferaft container with liferaft.
- (15) Remove sidewall stowage pockets.
- (16) Remove food trays, coatroom shelf, header, and ceiling liner from coatroom forward of galley No. 1.
- (17) Remove curtain between galley No. 1 and 2 and stow in aft lavatory.
- (18) Remove ceiling panel between galleys No. 1 and 2.
- (19) Remove galley fairings.
- (20) Disconnect and remove galley No. 1 (see 25-30-0).

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- (21) Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure to one section.
- (22) Remove coatroom located aft of galley No. 2.
- (23) Disconnect and remove galley No. 2 (see 25-30-0).
- (24) Remove forward water supply tanks (see Chapter 38).

CAUTION: TO PREVENT DAMAGE TO WATER TANKS DO NOT USE TANK FITTINGS AS HANDLES.

- (25) Install sidewall and ceiling cover panel to fill openings (see 25-28-0).
- (26) Remove covers to cargo net fittings.
- (27) Remove covers at lower edge of cargo door jamb to clear cargo loading system hardware.
- (28) Remove panel containing fire extinguishers and brackets from forward coatroom and stow in aft lavatory.
- (29) Disconnect and disassemble unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).
- (30) Install cargo loading system.
 - (a) Install cargo loading system hardware for pallet positions No. 1, No. 2, and No. 3.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

D. Remove Cabin Equipment - Aft Section

- (1) Remove containers with evacuation slides from passenger entrance and galley service doors.
- (2) Remove aisle and galley curtains and stow in aft lavatory.
- (3) Remove fire extinguishers from coatroom and stow in aft lavatory.
- (4) Remove first aid kit, oxygen masks, coatroom shelf, food trays, and curtain from coatroom and stow in aft lavatory.
- (5) Remove partition, with attendant's seat.
- (6) Disconnect and remove aft galleys (see 25-30-0).

NOTE: Disassemble galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to one section.

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- (7) Remove forward aft lavatory (see 25-40-0).

NOTE: If an 88x108-inch pallet is used in pallet position 14, the forward aft lavatory need not be removed. If an 88x125-inch pallet is used, remove the forward aft lavatory on the right side.

- (8) Fold down seat backs, disconnect leg from seat track, and remove seat.

- (9) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the forward lower cargo compartment.

- (10) Remove side panel snap-on covers in area of pallet No. 13 for pallet clearance.

- (11) Remove portable oxygen cylinders, with masks, from overhead stowage racks and stow in aft lavatory.

- (12) Fold down and secure overhead stowage racks (see 25-25-0).

- (13) Remove floor covering (see 25-27-0).

(a) Remove threshold, cover strips, and floor covering in aft galley area. Replace and tighten screws.

(b) Roll up carpets, placing plastic seat track covers inside rolls, and tie each roll separately.

E. Remove Cabin Equipment - Center Section

- (1) Unlatch and open upper cargo door (cargo/passenger configurations).

- (2) Remove evacuation slides and containers from Type I (Jetescape) emergency exit doors.

- (3) Fold down seat backs, disconnect leg from seat track, and remove seat.

- (4) Remove passenger/cargo divider partition (cargo/passenger configurations) (see 25-24-0).

- (5) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded and placed near aft lower cargo compartment.

- (6) Remove portable oxygen cylinders from overhead stowage racks and stow in aft lavatory.

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- (7) Remove fire extinguisher from overhead stowage rack, right side (cargo/passenger configurations).
- (8) Fold down and secure overhead stowage racks (see 25-25-0).
- (9) Roll up carpets, placing plastic seat track covers inside rolls, and tie each roll separately.
- (10) Remove liferaft containers with liferafts.
- (11) Install cargo loading system hardware in pallet positions 4 through 14.

F. Remove Cargo Loading System Equipment Hardware

- (1) Unload cargo equipment boxes from forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

- (2) After cargo loading system has been removed from boxes, install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.
- (3) Unload forward barrier net and crew galley. Place near forward upper cargo door.
- (4) Unload cargo partition sections and hardware.

G. Install Crew Protection and Convenience Equipment

- (1) Install crew galley and horizontal beam.
- (2) Install barrier net.

H. Load Cargo Loading System Equipment Boxes and Cabin Equipment

- (1) Place cargo equipment boxes in forward lower cargo compartment.
- (2) Stow cabin equipment in lower cargo compartments.

I. Prepare for Cabin Conversion (Cargo to Passenger)

- (1) Open upper cargo door and aft galley service door.
- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be utilized for loading of seats and small equipment.

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- (3) Recommended stations, work crews, and task assignments (see Paragraph 4A).

J. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Remove two empty equipment boxes from forward lower cargo compartment.
- (3) Place boxes in airplane cabin for packing cargo loading system hardware.

K. Remove Crew Protection and Convenience Equipment

- (1) Remove barrier net.
- (2) Remove crew galley and horizontal beam.

L. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect hardware for damage or wear.
 - (b) Pack hardware in cargo equipment boxes.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

M. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

N. Install Cabin Equipment - Aft Section

- (1) Install floor covering (see 25-27-0).
 - (a) Remove screws for installation of thresholds and cover strips.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels using double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.

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- (2) Install forward aft lavatory if lavatory was removed to accommodate 88x125-inch pallet (see 25-40-0).
- (3) Assemble and install aft galleys (see 25-30-0).
- (4) Install aft coatroom shelf and curtain.
- (5) Raise and secure overhead storage racks (see 25-25-0).
- (6) Install carpets, using double-face tape to secure carpet in place.
- (7) Install partition, with attendant's seat, forward of galley No. 5.
- (8) Install aisle and galley curtains.
- (9) Stow food trays in aft coatroom.
- (10) Install passenger seats (see 25-23-1).
- (11) Install track covers in seat tracks between seats.

NOTE: Install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

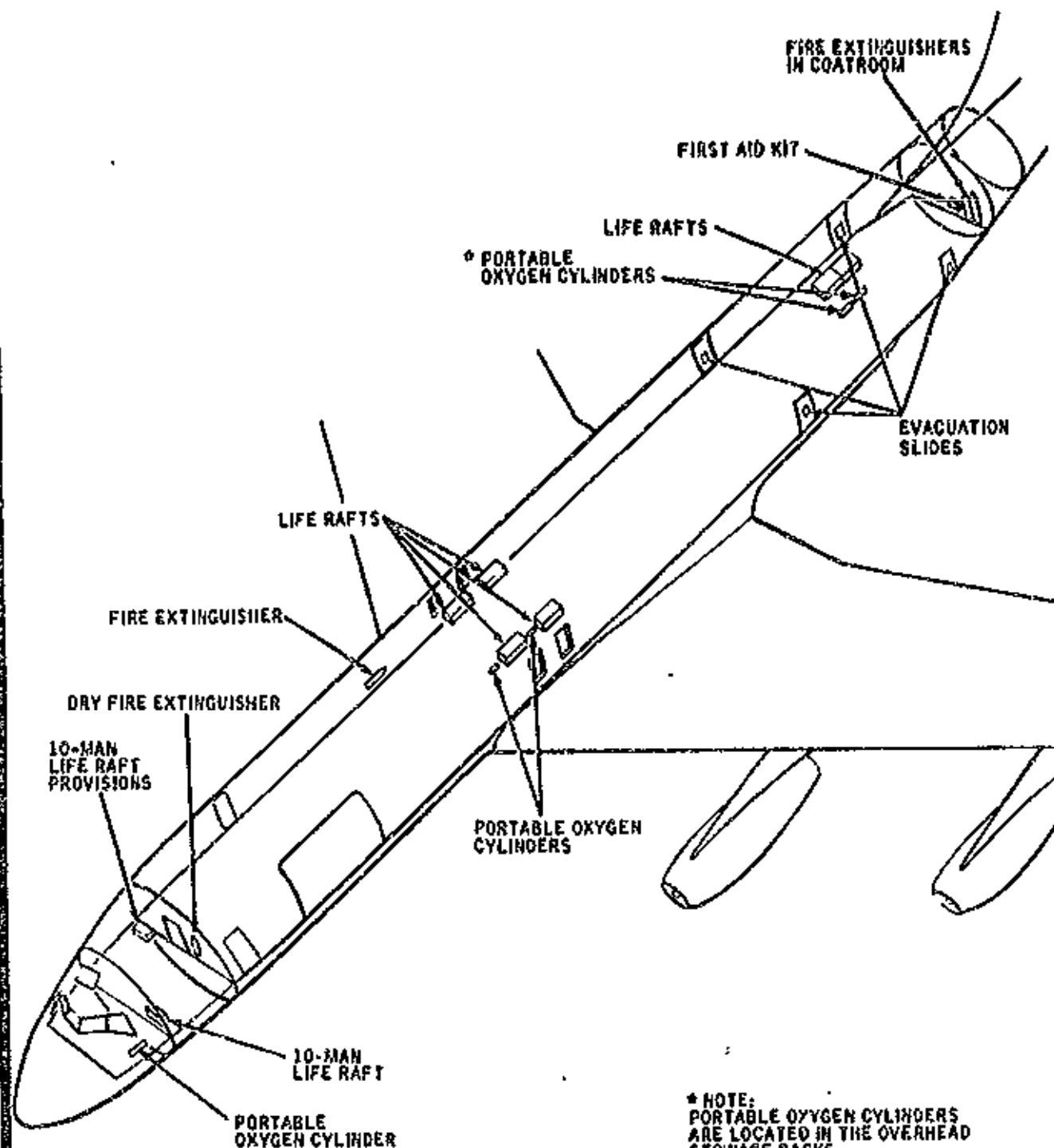
O. Install Cabin Equipment - Center Section

- (1) Install carpets, using double-face tape to secure carpet in place.
- (2) Install liferafts at locations shown in Figure 204.
- (3) Raise and secure overhead storage racks (see 25-25-0).
- (4) Install Passenger/cargo divider partition and curtain (passenger/cargo configurations), see Figure 201.
- (5) Close and secure upper cargo door (passenger/cargo configurations), see 52-36-1.

P. Install Cabin Equipment - Forward Section

- (1) Assemble and install unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).
- (2) Install floor covering in doorway and galley areas (see 25-27-0).
 - (a) Remove screws for installation of thresholds and cover strips in flight compartment entrance and galley areas.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.

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* NOTE:
 PORTABLE OXYGEN CYLINDERS
 ARE LOCATED IN THE OVERHEAD
 STORAGE RACKS.

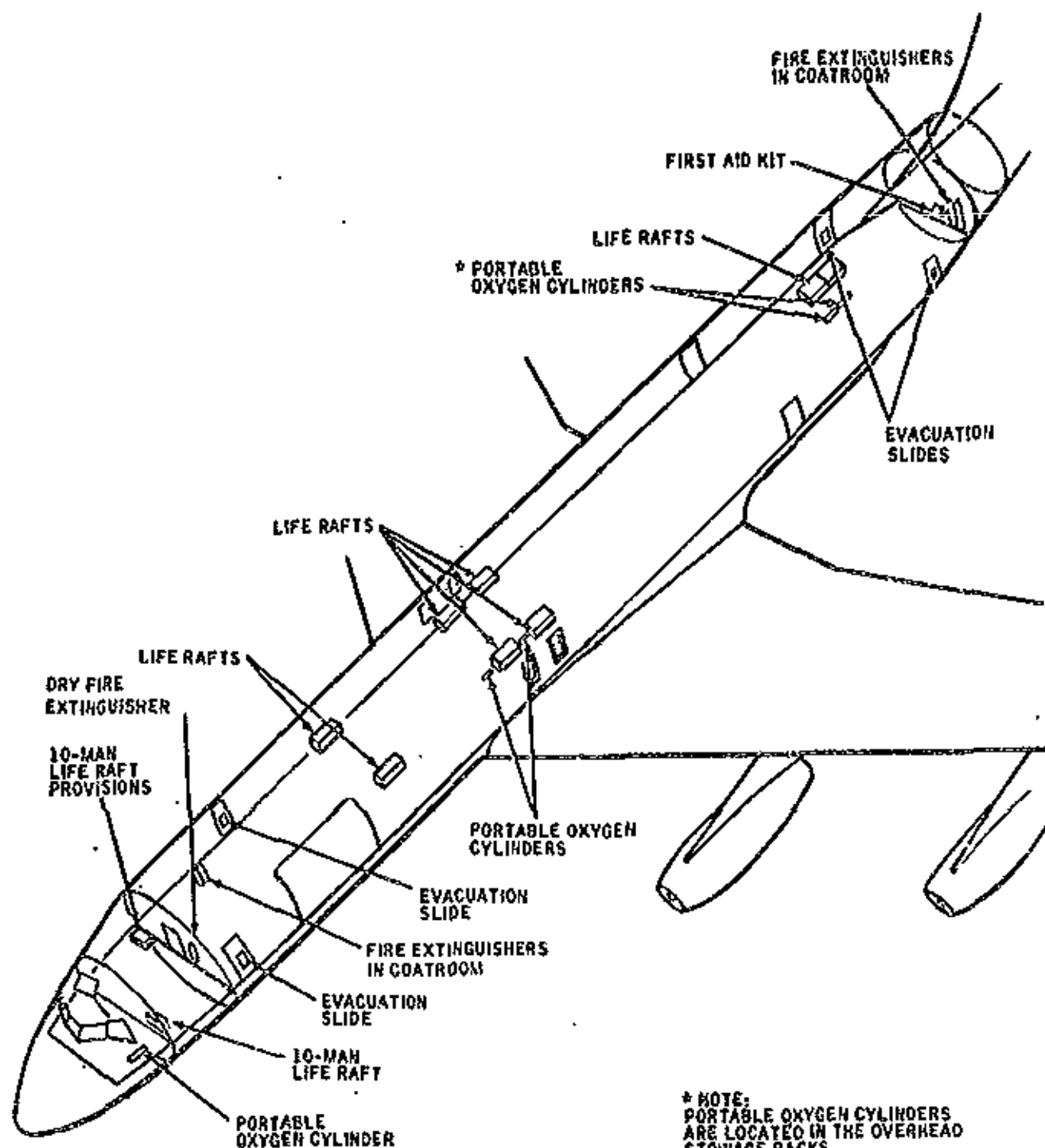
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Emergency Equipment (Airplane HB-IDH)
 Figure 204 (Sheet 1)

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 MAINTENANCE MANUAL



* NOTE:
 PORTABLE OXYGEN CYLINDERS
 ARE LOCATED IN THE OVERHEAD
 STORAGE RACKS

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Emergency Equipment (Airplane 46078)
 Figure 204 (Sheet 2)

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MAINTENANCE MANUAL

(d) Attach floor covering to fiberglass panels, using double-face tape.

(e) Install thresholds and cover strips. Replace and tighten screws.

(3) Install covers at lower edge of cargo door jamb.

(4) Install covers over cargo net fittings.

(5) Remove sidewall to ceiling cover panels.

(6) Install forward water supply tanks (see Chapter 38).

CAUTION: TO PREVENT DAMAGE TO WATER TANKS DO NOT USE TANK FITTINGS AS HANDLES.

(7) Assemble and install galley No. 1 (see 25-30-0).

(8) Install coatroom shelf, header, ceiling liner, and galley fairings.

(9) Install galley No. 2 and galley fairings.

(10) Install ceiling panel between galleys No. 1 and 2 (see 25-28-0).

(11) Install cover over smoke detector unit located above cargo door.

(12) Install liferafts at locations shown in Figure 204.

(13) Raise and secure overhead stowage racks (see 25-25-0).

(14) Install carpets, using double-face tape to secure carpet in place.

(15) Install coatroom aft of galley No. 2.

(16) Install partition located forward of cargo door.

(17) Install passenger divider partition (see 25-24-0).

(18) Install remaining seats (see 25-23-1).

(19) Install seat track covers in seat tracks between seats.

(20) Install sidewall stowage pockets.

(21) Close and secure cargo door (see Chapter 52).

(a) Install liners, snap-out panels, and actuating cylinder cover.

(22) Install coatroom inboard of cargo door.

(23) Install lounge seats and table.

(24) Install coatroom and aisle curtains.

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(25) Stow food trays in forward coatroom.

Q. Install Emergency Equipment (see Figure 201)

- (1) Install evacuation slides on passenger and galley service doors.
- (2) Install evacuation slides at Type I emergency exit doors (passenger/cargo configurations only).
- (3) Install liferaft compartments.
- (4) Install first aid kit in aft coatroom.
- (5) Install fire extinguishers (CO₂ and H₂O) in aft coatroom.
- (6) Install portable oxygen cylinders and masks.
- (7) Install fire extinguisher (H₂O) in forward area (see Figure 201).
- (8) Check to ensure that all emergency equipment is properly installed.

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried on the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from 3 to 18 pallets.
- B. Four Type I emergency exits are located at floor level. Under many cargo/passenger configurations activation of these exits is required.
- C. In the all cargo configuration the toilet vents must be closed.
- D. All but two smoke detector pickups are located to the left of airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- E. Provisions for 25-man liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.

- (1) Evacuation slides at entrance and service doors.
- (2) Aft double attendant's seat.
- (3) Aft galley units.
- (4) First aid kit in aft coatroom.
- (5) Fire extinguishers (CO₂ and H₂O) in aft coatroom.
- (6) Portable oxygen cylinders (with masks) in overhead stowage racks.
- (7) Type I emergency exits not usable.
- (8) Type I emergency exits usable; for seat clearance see Figure 202. Evacuation slides at Type I exits.
- (9) Oxygen masks in overhead stowage racks.
- (10) Type III emergency exits usable; for seat clearance see Figure 202.
- (11) Fire extinguishers (H₂O and CO₂) in forward coatroom.
- (12) Double attendant's seat, forward.

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- (13) Forward cargo barrier net, crew galley, and carry-on toilet, if required. Fire extinguisher, dry with applicator, at radio rack. Provisions for 10-man liferaft on floor near observer's station.
- (14) Movable cargo/passenger partition (cargo/passenger configurations only).
- (15) Provisions for 25-man liferafts in removable compartments, in stowage racks.
- (16) Galley unit No. 1, with oxygen masks for attendants.
- (17) Galley unit No. 2.
- (18) Smoke detector units (see Figure 203).
- (19) Close toilet vent outlet, located on outer skin outboard of forward aft lavatory, by rotating cover plate 180 degrees.
- (20) Plug-in utility trays with adapters. One adapter required for each triple seat without another seat forward.
- (21) Courier seat and supplemental courier seat if required.

3. General Requirements for Conversion and Stowage of Cabin Equipment

- A. The cabin can provide seats for up to 223 passengers, or it has room for 18 pallets or several combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing an 18-pallet loading system (excluding pallets) stowed in the lower cargo compartments. A portable toilet, courier seat, and supplemental courier seat may also be carried when necessary.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

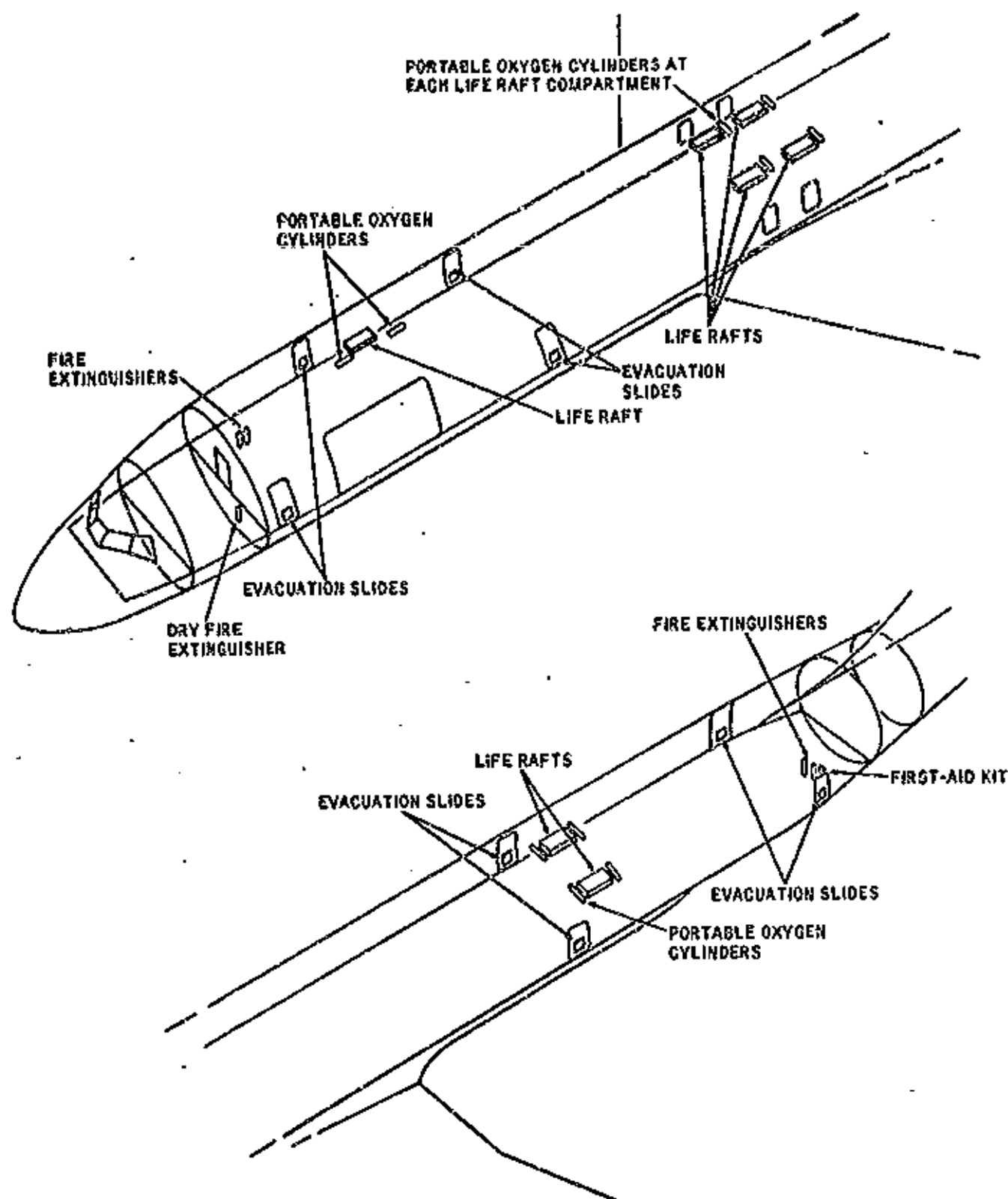
NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

4. Conversion and Stowage of Cabin Equipment

A. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.

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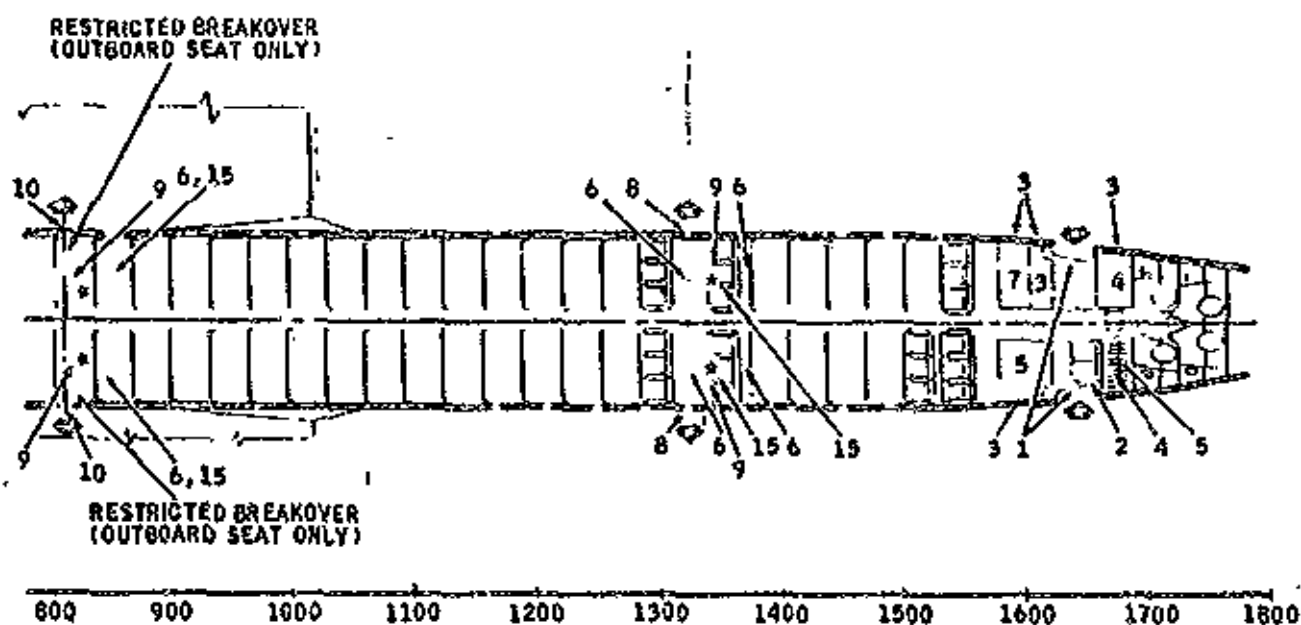
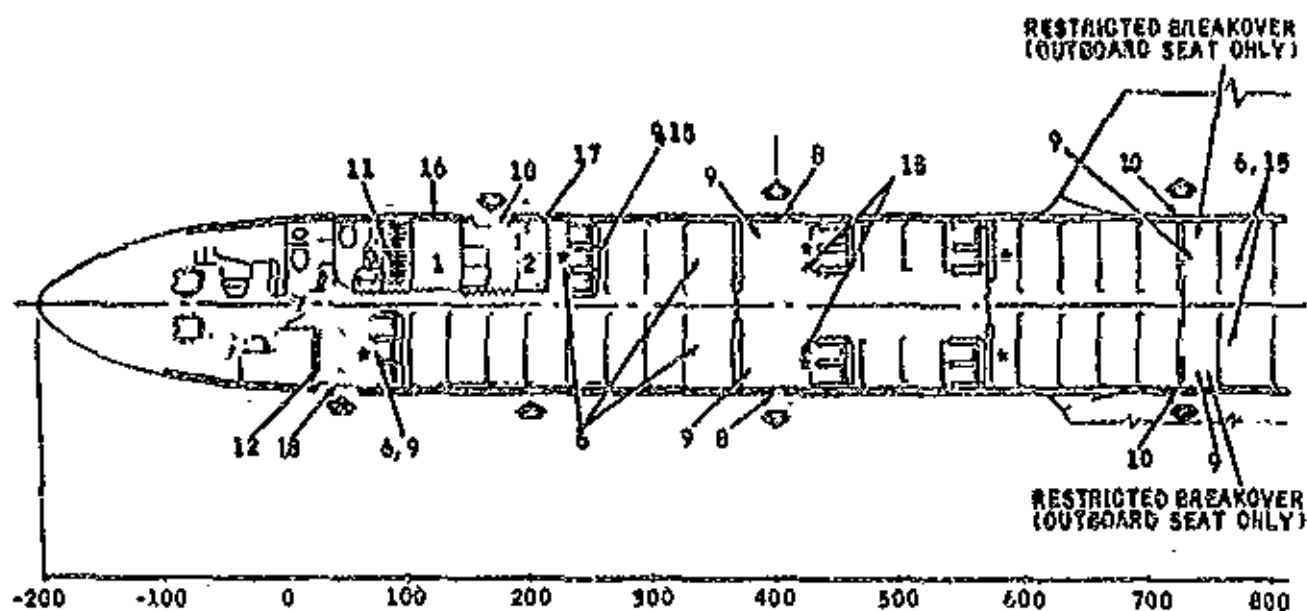
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Cargo/Passenger Conversion
 Figure 201 (Sheet 1)

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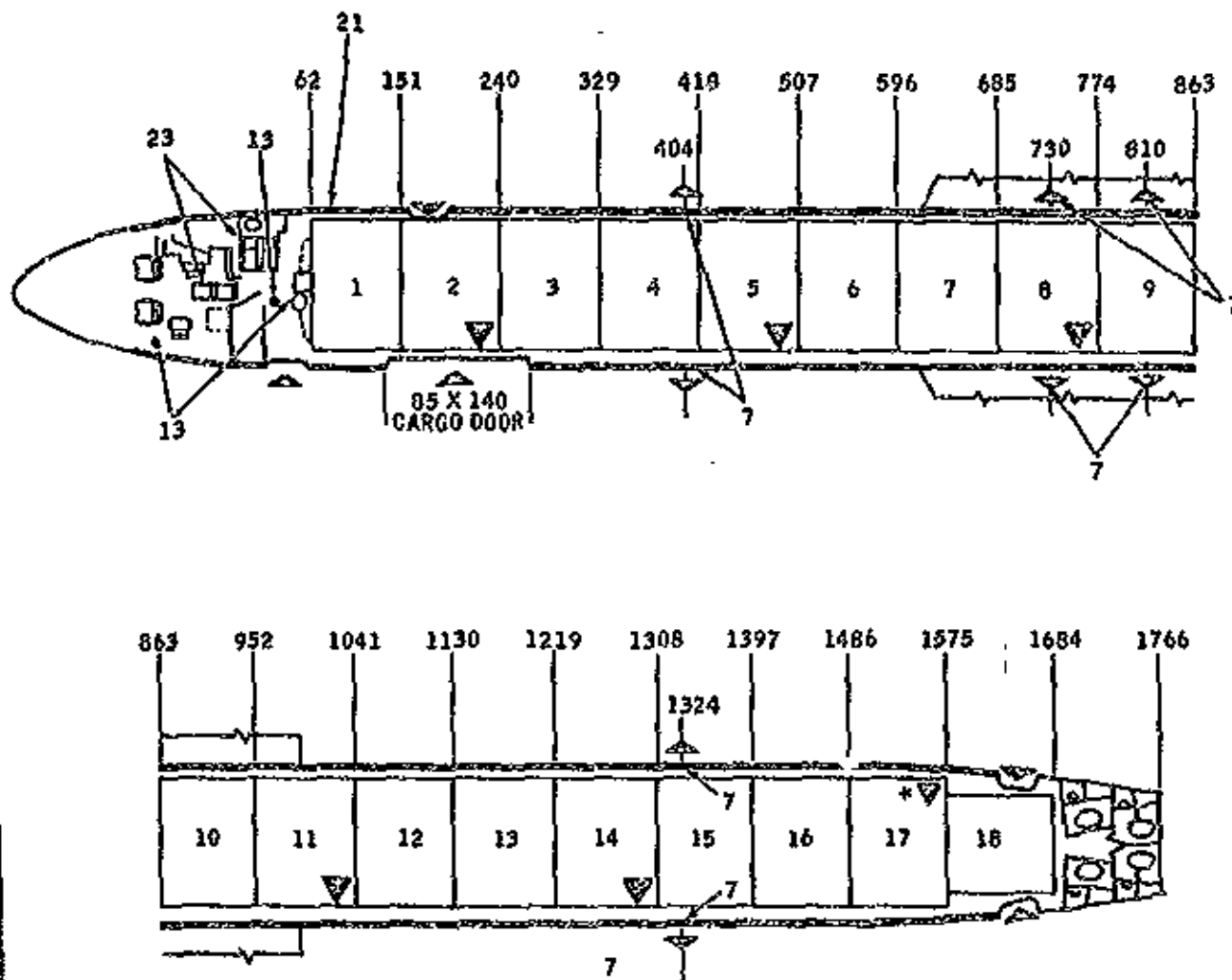


NOTE:

* INDICATES PLUG-IN FOOD TRAYS,
 ITEM 21.

HA2-6203

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NOTE:

ALL CARGO (18 PALLETS)
 ITEMS REQUIRED: 13, 19, 20
 22

▽ SMOKE DETECTOR UNITS

* TWO SMOKE DETECTORS UNITS
 UNDER ONE COVER

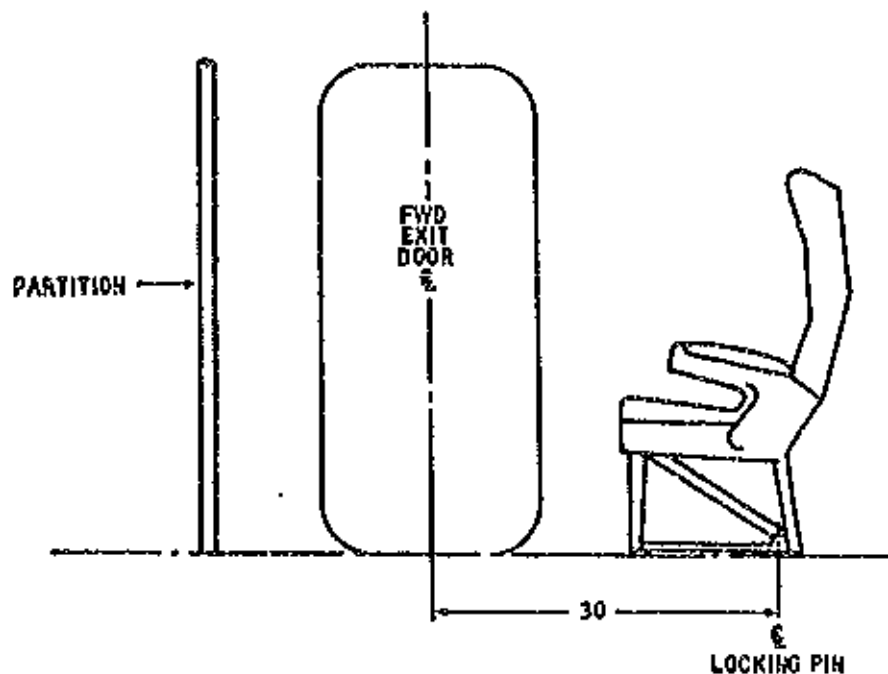
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Cargo/Passenger Conversion
 Figure 201 (Sheet 3)

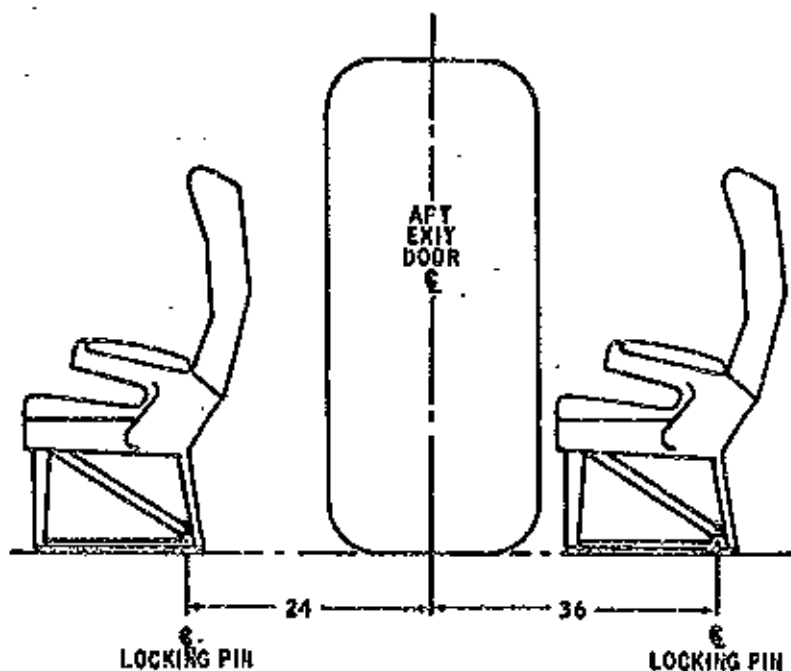
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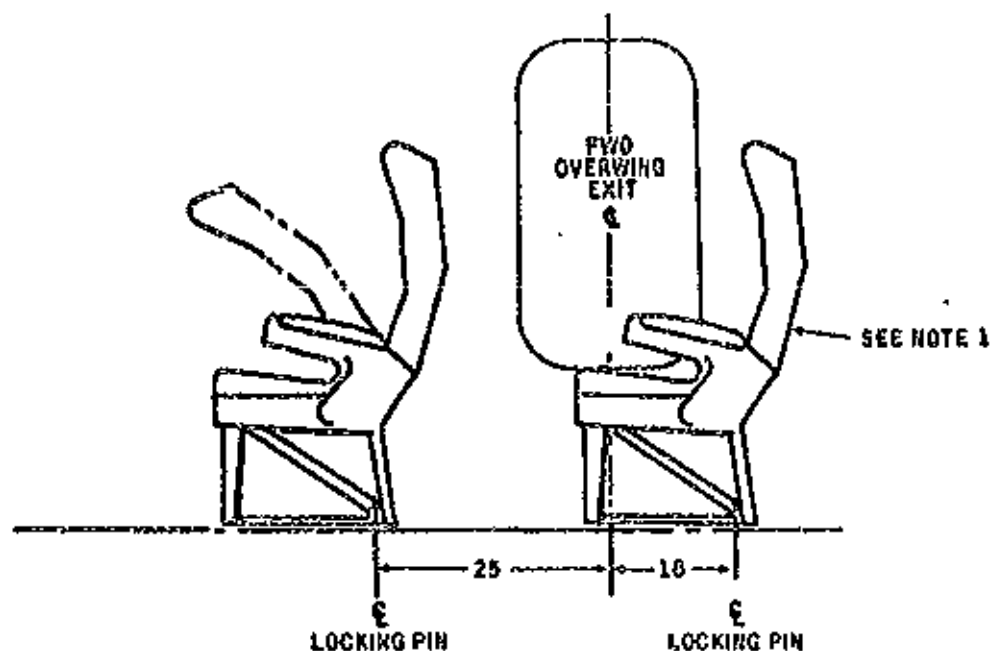
TYPE I
 EMERGENCY
 EXITS



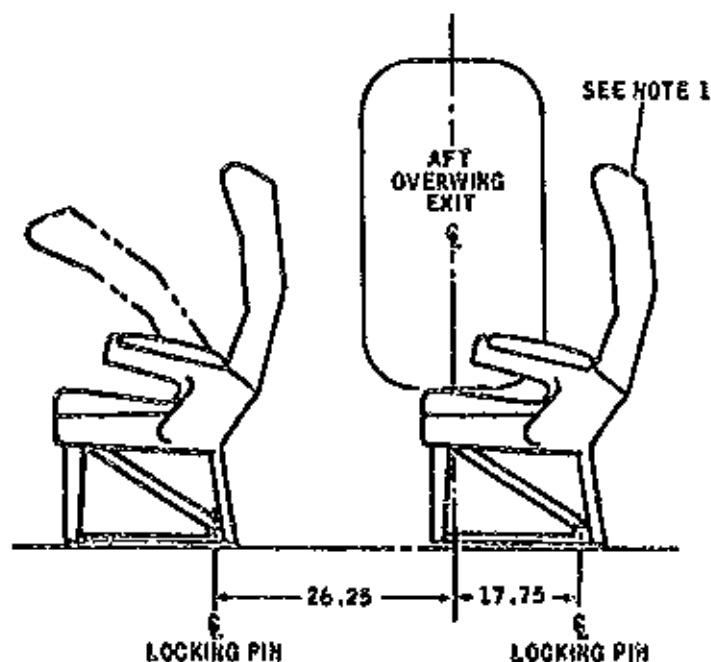
NOTE:
 DIMENSIONS NOTED ARE IN
 INCHES AND INDICATE THE
 MINIMUM DISTANCE FROM THE
 CENTER LINE OF THE EXIT TO
 THE CENTER LINE OF THE REAR
 LOCKING PIN. IF LOCKING PIN
 WILL NOT ENGAGE AT MINIMUM
 DISTANCE, SEAT MUST BE MOVED
 AWAY FROM EXIT TO NEXT
 INDEX POINT.

HA2-6201

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 MAINTENANCE MANUAL



TYPE III EMERGENCY EXIT

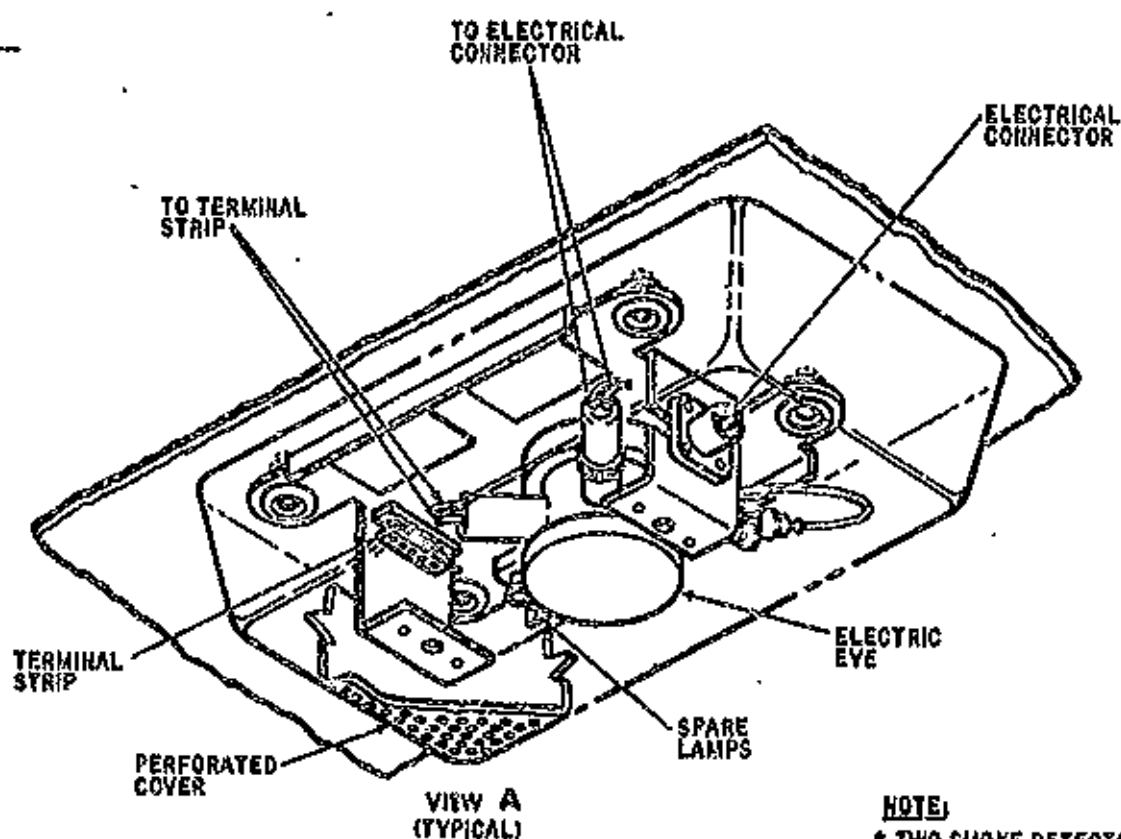
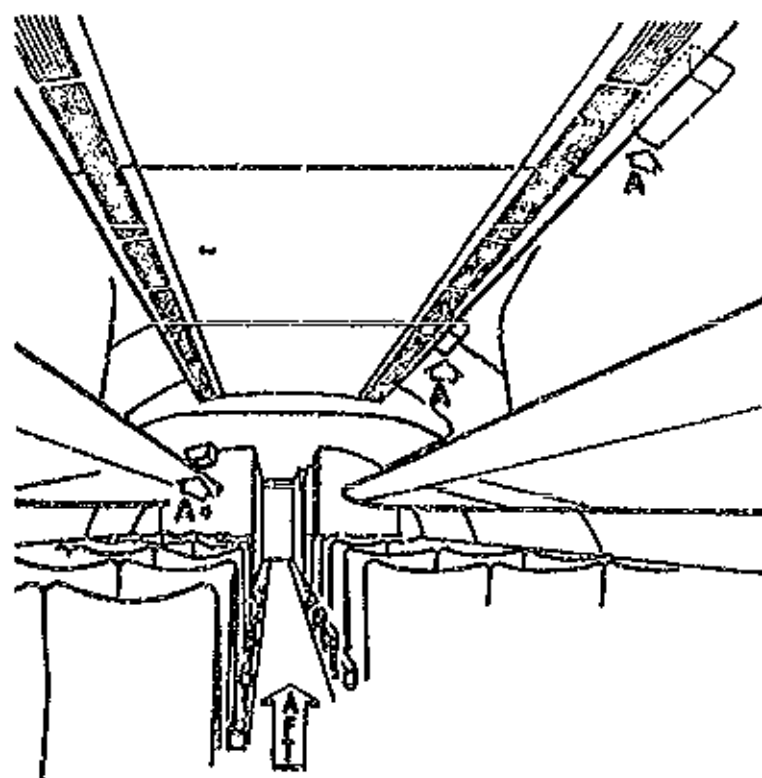


NOTES:

1. LOCK OUTBOARD BACK REST TO PREVENT BACK REST FROM FOLDING FORWARD INTO EMERGENCY EXIT OPENING.
2. DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

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NOTE:
 * TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

HA2-5124A

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MAINTENANCE MANUAL

- (2) Position one forklift or pallet loader at each galley service door.

NOTE: The forklifts or pallet loaders used must have a vertical lift of 11 feet. If forklifts are used, a 7x10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.

B. Recommended Stations, Work Crews, and Assigned Tasks

- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
- (3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

NOTE: For maximum efficiency, crews No. 1 and 2 should work simultaneously and independently of crews No. 3 and 4.

C. Remove Cabin Equipment - Forward Section

- (1) Remove evacuation slides from passenger entrance and galley service doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seat.
- (3) Remove floor covering (see 25-27-0).
 - (a) Loosen threshold screws at cockpit entrance and remove floor covering. Tighten screws.
 - (b) Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in area of forward galleys.
- (4) Convert upper cargo door (see Chapter 52).
 - (a) Remove liners from bottom of door.
 - (b) Remove snap-out panels from door.
 - (c) Unlatch and open door.
 - (d) Remove cover from smoke detector unit over upper cargo door (see Figures 201 and 203).

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- (5) Unload cabin equipment and position near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed. Place near the forward lower cargo compartment.

- (6) Remove portable oxygen cylinders and oxygen masks from left and right stowage racks and stow in aft lavatories.
- (7) Remove liferaft compartment from overhead stowage rack.
- (8) Fold down overhead stowage racks in area where seats have been removed (see 25-25-0).

NOTE: Remaining overhead stowage racks may be folded down as seats are removed.

- (9) Disconnect and remove galley No. 1 (see 25-30-0).
- (10) Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure bag to one section.
- (11) Disconnect and remove galley No. 2 (see 25-30-0).
- (12) Remove ceiling panel covering water supply tanks (see 25-28-0).
- (13) Remove forward water supply tanks (see Chapter 38).
- (14) Remove fire extinguishers and brackets from forward coatroom and stow in aft lavatories.
- (15) Disconnect and disassemble unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).
- (16) Disconnect and disassemble forward crew lavatory and remove inboard partition, if called for in cargo configuration (see 25-40-0).
- (17) Stow toilet bowl assembly for forward crew lavatory in one of aft lavatories.
- (18) Install cargo loading system.

- (a) Install cargo loading system hardware for pallet positions No. 1 and 2.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

D. Remove Cabin Equipment - Aft Section

- (1) Remove containers with evacuation slides from passenger entrance and galley service doors.
- (2) Remove aisle and galley curtains and stow in aft lavatory.

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- (3) Disconnect and remove aft galleys (see 25-30-0).

NOTE: Disassemble galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to galley.

- (4) Remove fire extinguishers and brackets and stow in one of aft lavatories.
(5) Remove first aid kit, oxygen masks, coatroom shelf, and curtain from coatroom and stow in aft lavatory.
(6) Remove partition with attendants' seat.
(7) Fold down seat backs, disconnect legs from seat track, and remove seat.
(8) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the forward lower cargo compartment.

- (9) Remove portable oxygen cylinders and oxygen masks from overhead stowage racks and stow in aft lavatory.
(10) Remove liferaft compartments, with liferafts, from right and left overhead stowage racks.
(11) Fold down overhead stowage racks (see 25-25-0).
(12) Loosen screws in threshold and cover strips. Remove floor covering and tighten screws.
(13) Roll up carpet, placing plastic retaining strips inside rolls, and tie each roll separately.

E. Remove Cabin Equipment - Center Section

- (1) Remove evacuation slides and containers from Type I emergency exit doors.
(2) Fold down seat backs, disconnect legs from seat track, and remove seat.
(3) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the aft lower cargo compartment.

- (4) Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.
(5) Remove liferaft compartments with liferafts from right and left overhead stowage racks.

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- (6) Remove portable oxygen cylinders and oxygen masks from left and right overhead stowage racks and stow in aft lavatory.
- (7) Fold down and secure overhead stowage racks (see 25-25-0).
- (8) Remove divider partitions (see 25-24-0).

F. Remove Cargo Loading System Equipment Hardware

- (1) Unload cargo equipment boxes from forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

- (2) After cargo loading system has been removed from boxes, install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.
- (3) Unload forward barrier net and crew galley, if applicable. Place near forward upper cargo door.
- (4) Unload cargo partition sections and hardware.

G. Install Crew Protection and Convenience Equipment

- (1) Install crew galley and horizontal beam.
- (2) Install barrier net.
- (3) Install carry-on toilet, if called for in cargo configuration.

H. Load Cargo Loading System Equipment Boxes and Cabin Equipment (Forward Lower Cargo Compartment)

- (1) Place cargo equipment boxes in forward lower cargo compartment.
- (2) Stow cabin equipment in lower cargo compartments.

I. Prepare for Cabin Conversion (Cargo to Passenger)

- (1) Open upper cargo door and galley service doors.
- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be utilized for loading of seats and small equipment.

- (3) Recommended stations, work crews, and task assignment (see paragraph 4B).

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J. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

K. Remove Crew Protection and Convenience Equipment

- (1) Remove barrier net.
- (2) Remove crew galley and horizontal beam.
- (3) Remove courier seat and supplemental seat, if applicable (see 25-11-4 and 25-11-5).
- (4) Remove carry-on toilet, if applicable.

L. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect hardware for damage or wear.
 - (b) Pack in cargo equipment boxes.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

M. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

N. Install Cabin Equipment - Aft Section

- (1) Install floor covering.
 - (a) Loosen screws in thresholds.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-backed tape.
 - (d) After inserting floor covering under thresholds, attach floor covering to fiberglass panels with double-backed tape.
 - (e) Tighten screws in thresholds.

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- (2) Install aft galleys (see 25-30-0).
- (3) Install partition with attendants' seat.
- (4) Install aft coatroom shelf and curtain.
- (5) Raise and connect overhead storage racks (see 25-25-0).
- (6) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (7) Install aisle and galley curtains.
- (8) Install passenger seats (see 25-23-1).

NOTE: Begin to install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

O. Install Cabin Equipment - Center Section

- (1) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (2) Install divider partitions (see 25-24-0).
- (3) Raise and connect overhead storage racks (see 25-25-0).

P. Install Cabin Equipment - Forward Section

- (1) Install crew lavatory, if applicable.
- (2) Assemble and install unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).
- (3) Install floor coverings in doorway and galley areas.
 - (a) Loosen screws in thresholds.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-backed tape.
 - (d) Insert floor covering under thresholds and attach floor covering to fiberglass with double-faced tape.
 - (e) Tighten screws in thresholds.
- (4) Install forward water supply tanks (see Chapter 38).
- (5) Install ceiling panel under water supply tanks (see 25-28-0).
- (6) Install galley No. 1 (see 25-30-0).

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- (7) Install galley No. 2 (see 25-30-0).
- (8) Raise and connect overhead stowage racks (see 25-25-0).
- (9) Close and secure upper cargo door (see 52-36-1).
 - (a) Install liners and snap-out panels.
 - (b) Install cover over smoke detector unit located above upper cargo door.
- (10) Install carpets, using retaining strips inside rolls to secure carpet in place.
- (11) Install remaining seats (see 25-23-1).
- (12) Install coatroom and aisle curtains.

Q. Install Emergency Equipment (see Figure 201)

- (1) Install evacuation slides on forward and aft passenger entrance and galley service doors.
- (2) Install evacuation slides at Type I emergency exit doors.
- (3) Install oxygen masks on overhead stowage racks.
- (4) Install liferaft compartments on overhead stowage racks.
- (5) Install portable oxygen cylinders and masks adjacent to liferaft compartments.
- (6) Install first aid kit in aft coatroom.
- (7) Install fire extinguishers (CO₂ and H₂O) in aft coatroom.
- (8) Install fire extinguishers (H₂O and CO₂) in forward coatroom.
- (9) Check to ensure that all emergency equipment is in place.

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried on the airplane, and is stowable out of the main cabin area. Interior arrangements allow for 3 to 18 pallets.
- B. Four Type I emergency exits are located at floor level. Under many cargo/passenger configurations activation of these exits is required.
- C. In the all cargo configuration the toilet vents must be closed.
- D. All but two smoke detector pickups are located to the left of airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- E. Provisions for 25-man liferafts are located throughout the cabin area to allow for any cargo/passenger combination.
- F. Use only one aft lavatory for the stowage of equipment.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides at entrance and service doors.
 - (2) Aft double attendant's seat.
 - (3) Aft galley units.
 - (4) First aid kit in aft coatroom.
 - (5) Fire extinguishers (CO₂ and H₂O) in aft coatroom.
 - (6) Portable oxygen cylinders (with masks) in overhead stowage racks.
 - (7) Type I emergency exits not usable.
 - (8) Type I emergency exits usable; for seat clearance see Figure 202. Evacuation slides at Type I exits.
 - (9) Oxygen masks in overhead stowage racks.
 - (10) Type III emergency exits usable; for seat clearance see Figure 202.

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- (11) Fire extinguishers (H₂O and CO₂) in forward coatroom.
- (12) Double attendant's seat, forward.
- (13) Forward cargo barrier net, crew galley, fire extinguisher (dry with applicator), at radio rack.
- (14) Movable cargo/passenger partition (cargo/passenger configurations only).
- (15) Provisions for 25-man liferafts in removable compartments, in stowage racks.
- (16) Galley unit No. 1, with oxygen masks for attendants.
- (17) Galley unit No. 2.
- (18) Smoke detector units (see Figure 203).
- (19) Close toilet vent outlet, located on outer skin outboard of forward aft lavatory, by rotating cover plate 180 degrees.
- (20) Plug-in utility trays with adapters. One adapter required for each triple seat without another seat forward.
- (21) Courier seat and supplemental courier seat.

3. General Requirements for Conversion and Stowage of Cabin Equipment

- A. The cabin can provide seats for up to 253 passengers, or it has room for 18 pallets or several combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing an 18-pallet loading system (excluding pallets) stowed in the lower cargo compartments. A portable toilet, courier seat, and supplemental courier seat may also be carried when necessary.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

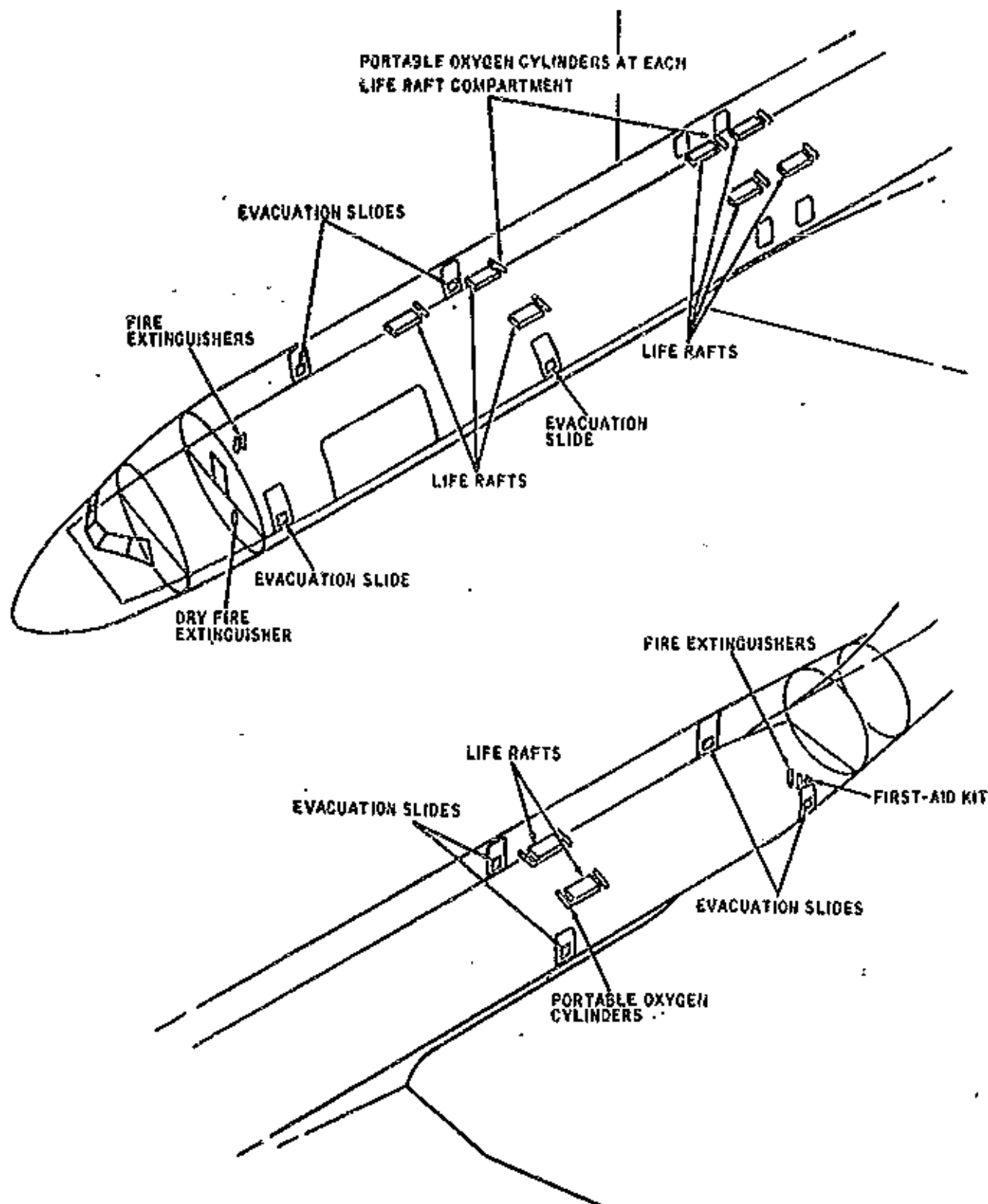
NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

4. Conversion and Stowage of Cabin Equipment

A. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.

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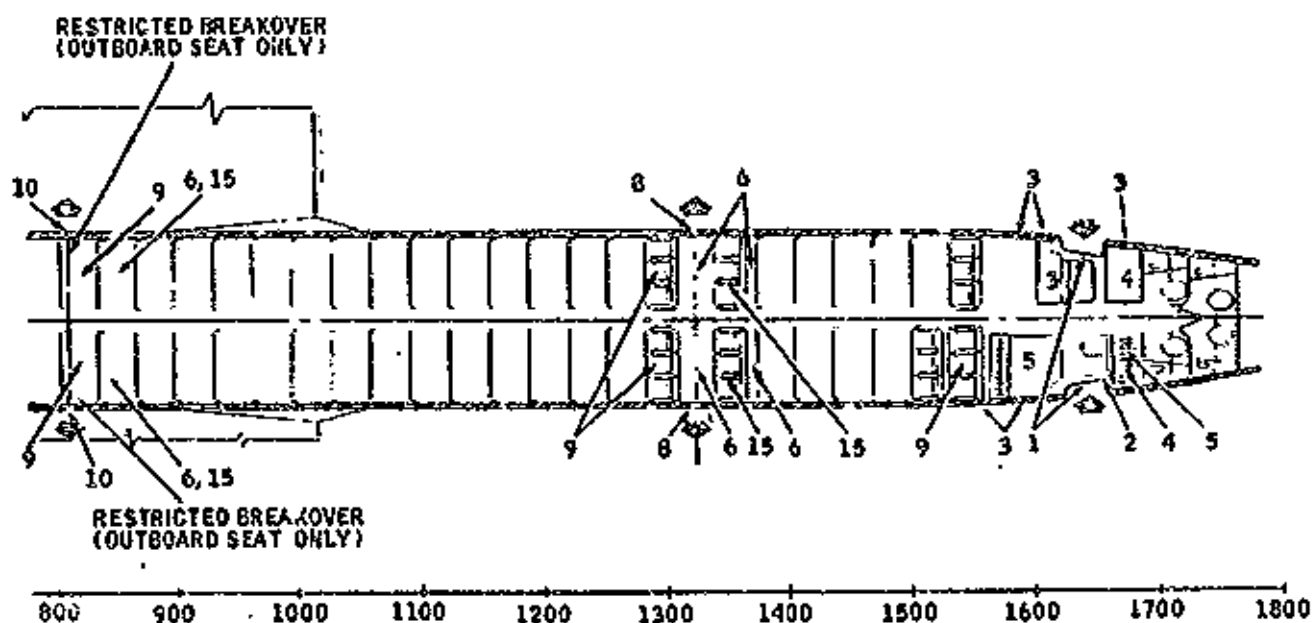
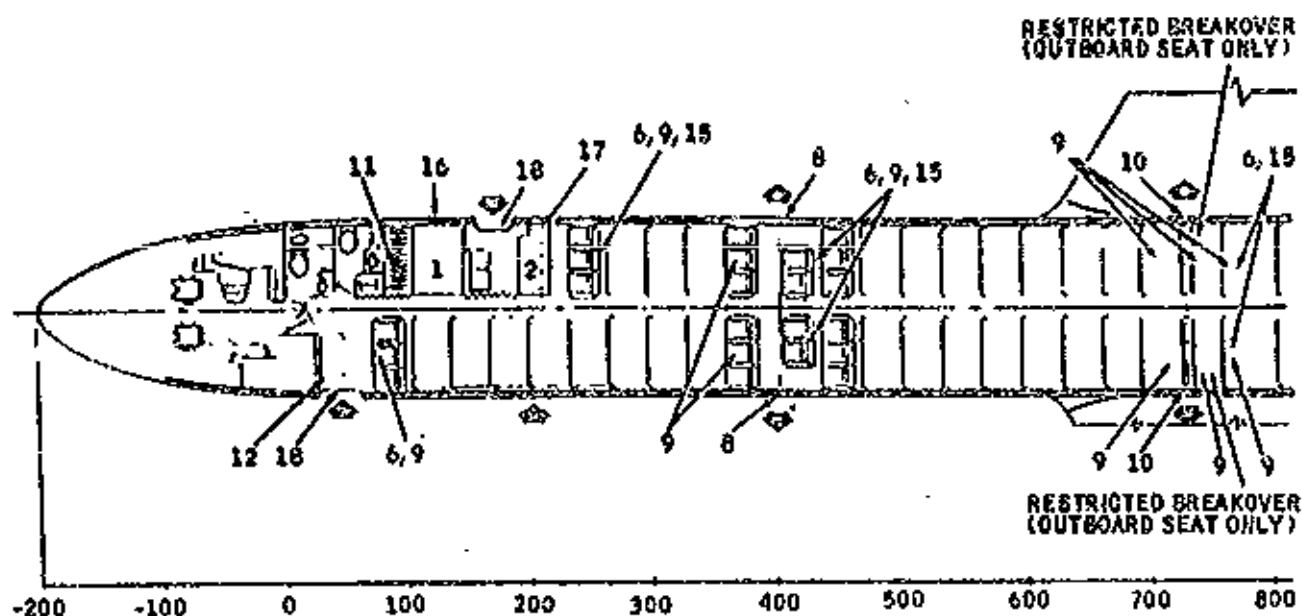
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Cargo/Passenger Conversion
 Figure 201 (Sheet 1)

25-52-0
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 Page 203

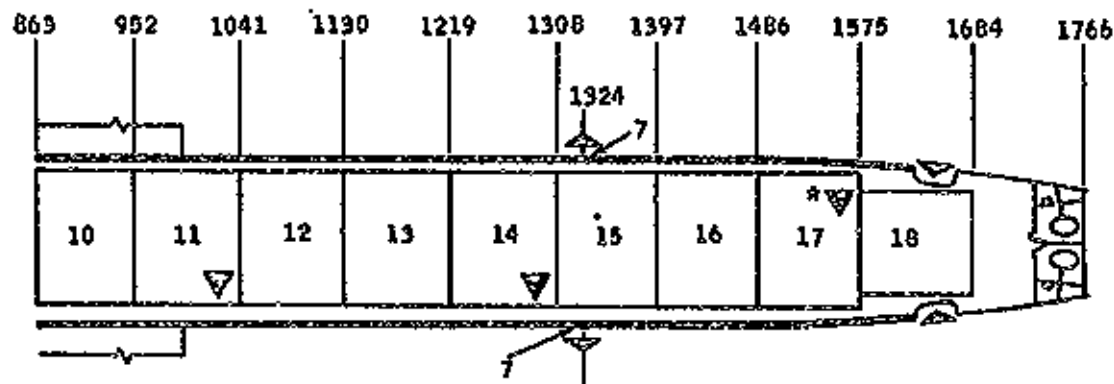
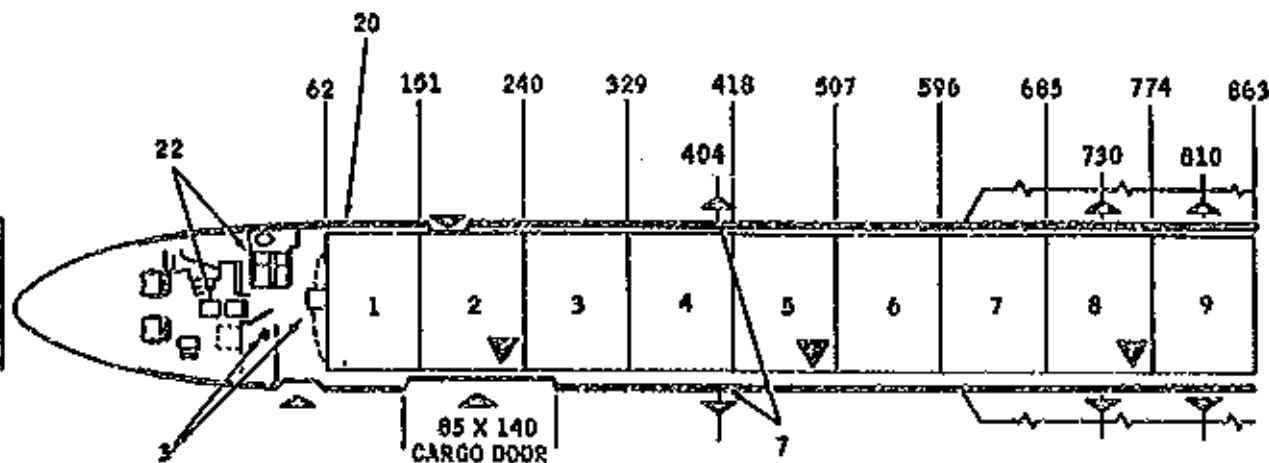
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ALL CARGO (18 PALLETS)
 ITEMS REQUIRED: 13, 19, 20,
 22

▽ SMOKE DETECTOR UNITS

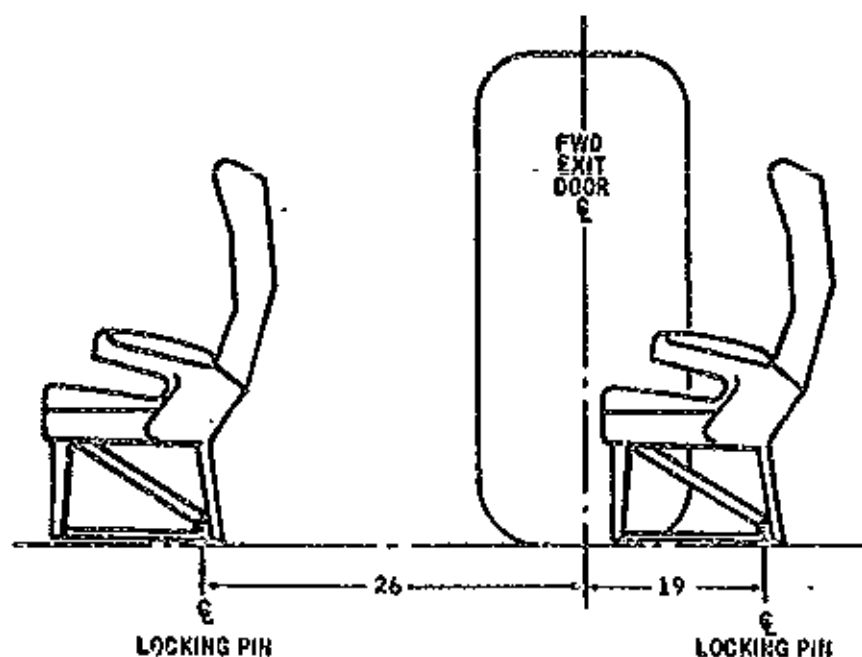
★ TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

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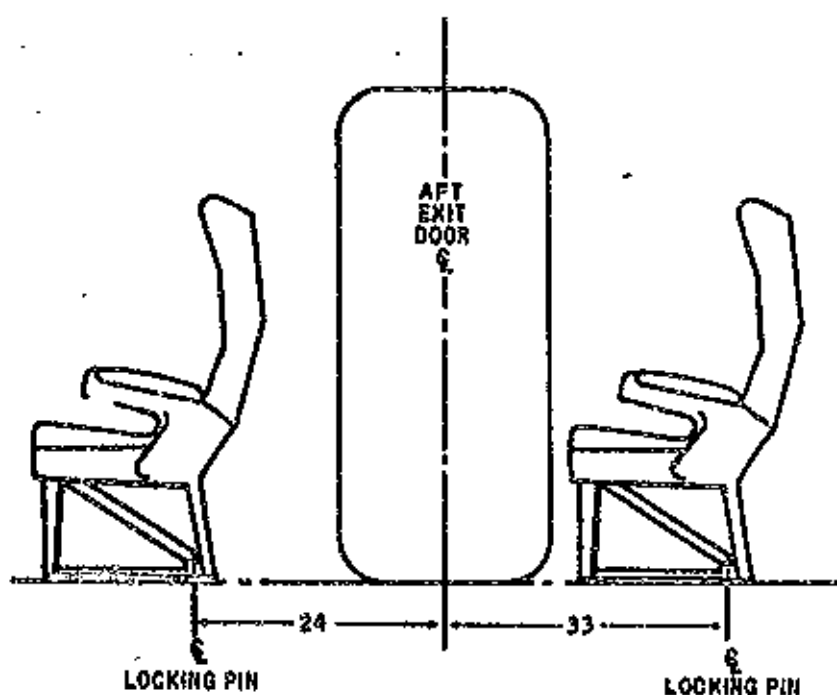
Cargo/Passenger Conversion
 Figure 201 (Sheet 3)

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TYPE I
 EMERGENCY
 EXIT



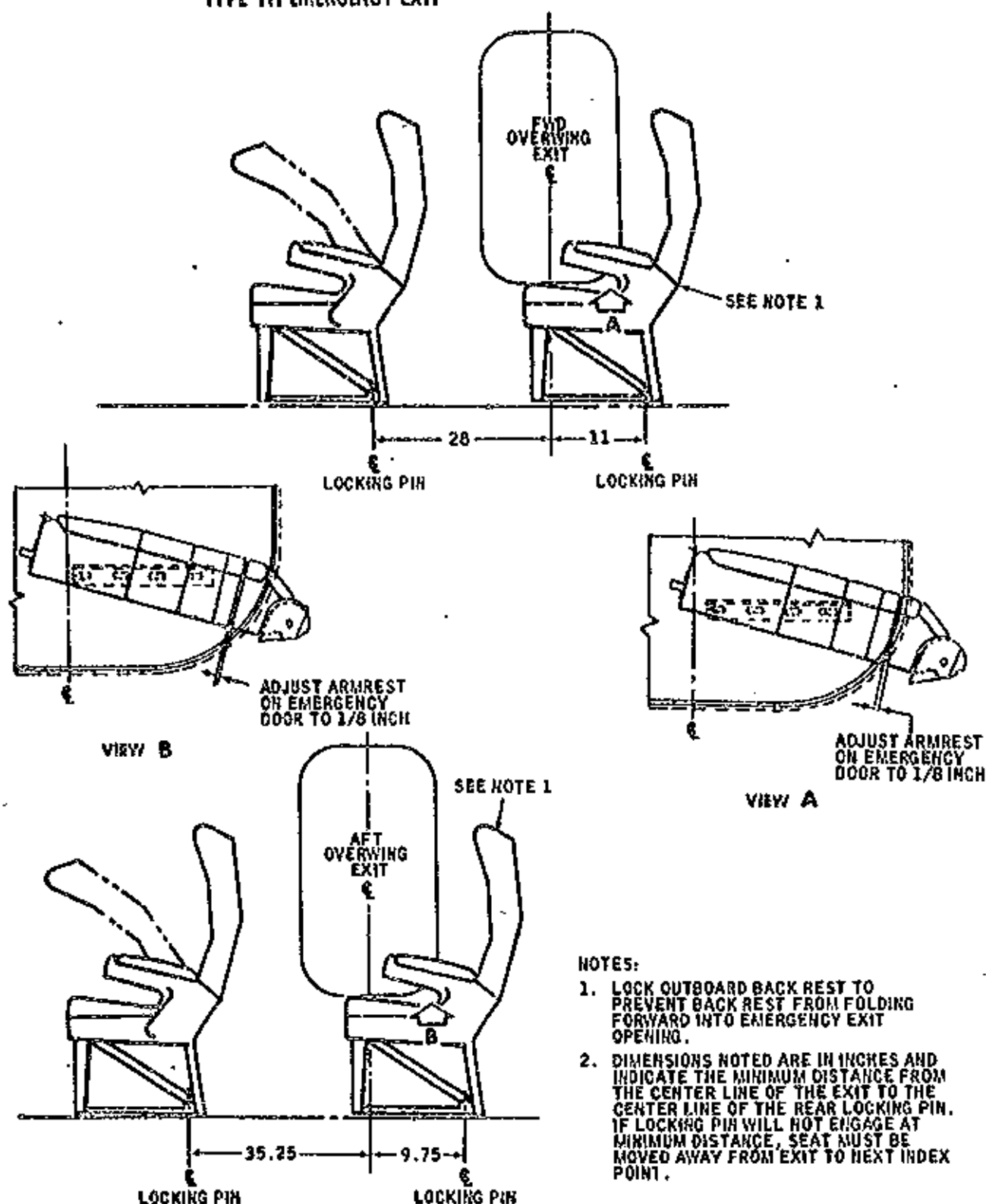
NOTE:

DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

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TYPE III EMERGENCY EXIT

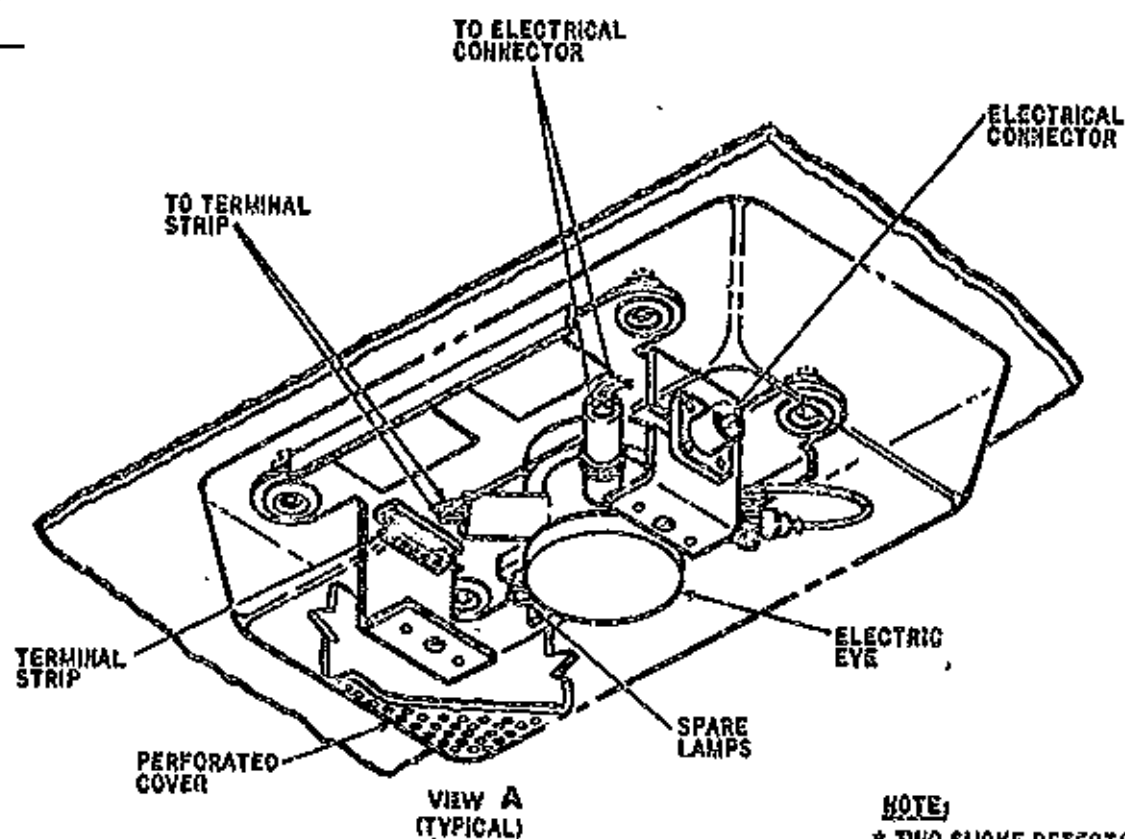
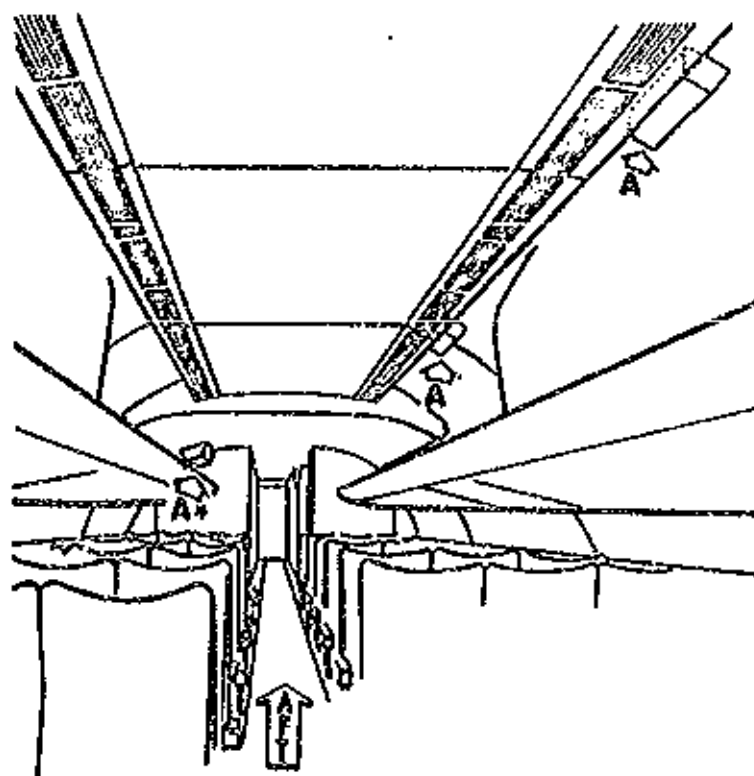


NOTES:

1. LOCK OUTBOARD BACK REST TO PREVENT BACK REST FROM FOLDING FORWARD INTO EMERGENCY EXIT OPENING.
2. DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

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NOTE:
 * TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

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- (2) Position one forklift or pallet loader at each galley service door.

NOTE: The forklifts or pallet loaders used must have a vertical lift of 11 feet. If forklifts are used, a 7x10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.

B. Recommended Stations, Work Crews, and Assigned Tasks

- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
- (3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

NOTE: For maximum efficiency, crews No. 1 and 2 should work simultaneously and independently of crews No. 3 and 4.

C. Remove Cabin Equipment - Forward Section

- (1) Remove evacuation slides from passenger entrance and galley service doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seat.
- (3) Remove floor covering (see 25-27-0).
 - (a) Loosen threshold screws at cockpit entrance and remove floor covering. Tighten screws.
 - (b) Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in area of forward galleys.
- (4) Convert upper cargo door (see Chapter 52).
 - (a) Remove liners from bottom of door.
 - (b) Remove snap-out panels from door.
 - (c) Unlatch and open door.
 - (d) Remove cover from smoke detector unit over upper cargo door (see Figures 201 and 203).

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- (5) Unload cabin equipment and position near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed. Place near the forward lower cargo compartment.

- (6) Remove portable oxygen cylinders and oxygen masks from left and right liferaft containers and stow in aft lavatories.

- (7) Remove liferaft containers from overhead stowage rack.

- (8) Fold down overhead stowage racks in area where seats have been removed (see 25-25-0).

NOTE: Remaining overhead stowage racks may be folded down as seats are removed.

- (9) Remove ceiling panel covering water supply tanks (see 25-28-0).

- (10) Disconnect and remove galley No. 1 (see 25-30-0).

- (11) Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure bag to one section.

- (12) Disconnect and remove galley No. 2 (see 25-30-0).

- (13) Remove forward water supply tanks (see Chapter 38).

- (14) Remove fire extinguishers and brackets from forward coatroom and stow in aft lavatories.

- (15) Disconnect and disassemble unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).

- (16) Disconnect and disassemble forward crew lavatory and remove inboard partition, if called for in cargo configuration (see 25-40-0).

- (17) Stow toilet bowl assembly for forward crew lavatory in one of aft lavatories.

- (18) Install cargo loading system.

- (a) Install cargo loading system hardware for pallet positions No. 1 and 2.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

D. Remove Cabin Equipment - Aft Section

- (1) Remove containers with evacuation slides from passenger entrance and galley service doors.

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(2) Remove aisle and galley curtains and stow in aft lavatory.

(3) Disconnect and remove aft galleys (see 25-30-0).

NOTE: Disassembly galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to galley.

(4) Remove fire extinguishers and brackets and stow in one of aft lavatories.

(5) Remove first aid kit, oxygen masks, coatroom shelf, and curtain from coatroom and stow in aft lavatory.

(6) Remove partition with attendants' seat.

(7) Fold down seat backs, disconnect legs from seat track, and remove seat.

(8) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the forward lower cargo compartment.

(9) Remove portable oxygen cylinders and oxygen masks from liferaft containers and stow in aft lavatory.

(10) Remove liferaft containers, with liferafts, from right and left overhead stowage racks.

(11) Fold down overhead stowage racks (see 25-25-0).

(12) Loosen screws in threshold and cover strips. Remove floor covering and tighten screws.

(13) Roll up carpet, placing plastic retaining strips inside rolls, and tie each roll separately.

E. Remove Cabin Equipment - Center Section

(1) Remove evacuation slides and containers from Type I emergency exit doors.

(2) Fold down seat backs, disconnect legs from seat track, and remove seats.

(3) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the aft lower cargo compartment.

(4) Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.

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- (5) Remove portable oxygen cylinders and oxygen masks from left and right liferaft container racks and stow in aft lavatory.
- (6) Remove liferaft containers with liferafts from right and left overhead stowage racks.
- (7) Fold down overhead stowage racks (see 25-25-0).

F. Remove Cargo Loading System Equipment Hardware

- (1) Unload cargo equipment boxes from forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

- (2) After cargo loading system has been removed from boxes, install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.
- (3) Unload forward barrier net and crew galley, if applicable. Place near forward upper cargo door.
- (4) Unload cargo partition sections and hardware.

G. Install Crew Protection and Convenience Equipment

- (1) Install courier seat and supplemental seat, if called for in cargo configuration (see 25-11-4 and 25-11-5).
- (2) Install crew galley and horizontal beam.
- (3) Install barrier net.
- (4) Install carry-on toilet, if called for in cargo configuration.

H. Load Cargo Loading System Equipment Boxes and Cabin Equipment (Forward Lower Cargo Compartment)

- (1) Place cargo equipment boxes in forward lower cargo compartment.
- (2) Stow cabin equipment in lower cargo compartments.

I. Prepare for Cabin Conversion (Cargo to Passenger)

- (1) Open upper cargo door and galley service doors.
- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be utilized for loading of seats and small equipment.

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- (3) Recommended stations, work crews, and task assignment (see paragraph 4B).

J. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

K. Remove Crew Protection and Convenience Equipment

- (1) Remove barrier net.
- (2) Remove crew galley and horizontal beam.
- (3) Remove courier seat and supplemental seat, if applicable (see 25-11-4 and 25-11-5).
- (4) Remove carry-on toilet, if applicable.

L. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect hardware for damage or wear.
 - (b) Pack in cargo equipment boxes.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

M. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

N. Install Cabin Equipment - Aft Section

- (1) Install floor covering.
 - (a) Loosen screws in thresholds.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-backed tape.
 - (d) After inserting floor covering under thresholds, attach floor covering to fiberglass panels with double-backed tape.
 - (e) Tighten screws in thresholds.

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- (2) Install aft galleys (see 25-30-0).
- (3) Install partition with attendants' seat.
- (4) Install aft coatroom shelf and curtain.
- (5) Raise and connect overhead storage racks (see 25-25-0).
- (6) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (7) Install aisle and galley curtains.
- (8) Install passenger seats (see 25-23-1).

NOTE: Begin to install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

O. Install Cabin Equipment - Center Section

- (1) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (2) Raise and connect overhead storage racks (see 25-25-0).

P. Install Cabin Equipment - Forward Section

- (1) Install crew lavatory, if applicable.
- (2) Assemble and install unitized lavatory and coatroom located forward of galley No. 1 (see 25-40-3).
- (3) Install floor coverings in doorway and galley areas.
 - (a) Loosen screws in thresholds.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-backed tape.
 - (d) Insert floor covering under thresholds and attach floor covering to fiberglass with double-backed tape.
 - (e) Tighten screws in thresholds.
- (4) Install forward water supply tanks (see Chapter 38).
- (5) Install galley No. 1 (see 25-30-0).
- (6) Install galley No. 2 (see 25-30-0).
- (7) Install ceiling panel under water supply tanks (see 25-28-0).

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- (8) Raise and connect overhead stowage racks (see 25-25-0).
 - (9) Close and secure upper cargo door (see Chapter 52).
 - (a) Install liners and snap-out panels.
 - (b) Install cover over smoke detector unit located above upper cargo door.
 - (10) Install carpets, using retaining strips inside rolls to secure carpet in place.
 - (11) Install remaining seats (see 25-23-1).
 - (12) Install coatroom and aisle curtains.
- Q. Install Emergency Equipment (see Figure 201)
- (1) Install evacuation slides on forward and aft passenger entrance and galley service doors.
 - (2) Install evacuation slides at Type I emergency exit doors.
 - (3) Install oxygen masks on overhead stowage rack.
 - (4) Install liferaft compartments on overhead stowage racks.
 - (5) Install portable oxygen cylinders and masks adjacent to liferaft compartments.
 - (6) Install first aid kit in aft coatroom.
 - (7) Install fire extinguishers (CO₂ and H₂O) in aft coatroom.
 - (8) Install fire extinguishers (H₂O and CO₂) in forward coatroom.
 - (9) Check to ensure that all emergency equipment is in place.

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried in the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from 3 to 18 pallets.
- B. Four Type I (Jetescape) emergency exits are located at floor level. Under many cargo/passenger configurations activation of the Type I exits is required.
- C. In the all cargo configuration the toilet vents must be closed.
- D. All but two smoke detector units are located to the left of airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- E. Provisions for liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides at aft entrance and service doors.
 - (2) Attendant's aft seats.
 - (3) Aft galley units.
 - (4) First aid kit in forward coatroom.
 - (5) Fire extinguishers (CO_2 and H_2O) forward of galleys 3 and 6.
 - (6) Portable oxygen cylinders (with masks) on liferaft containers in overhead stowage racks.
 - (7) Type I and Type III emergency exits not usable.
 - (8) Type I emergency exits usable; for seat clearance see Figure 202. Evacuation slides at Type I exits.
 - (9) Oxygen masks in overhead stowage racks.

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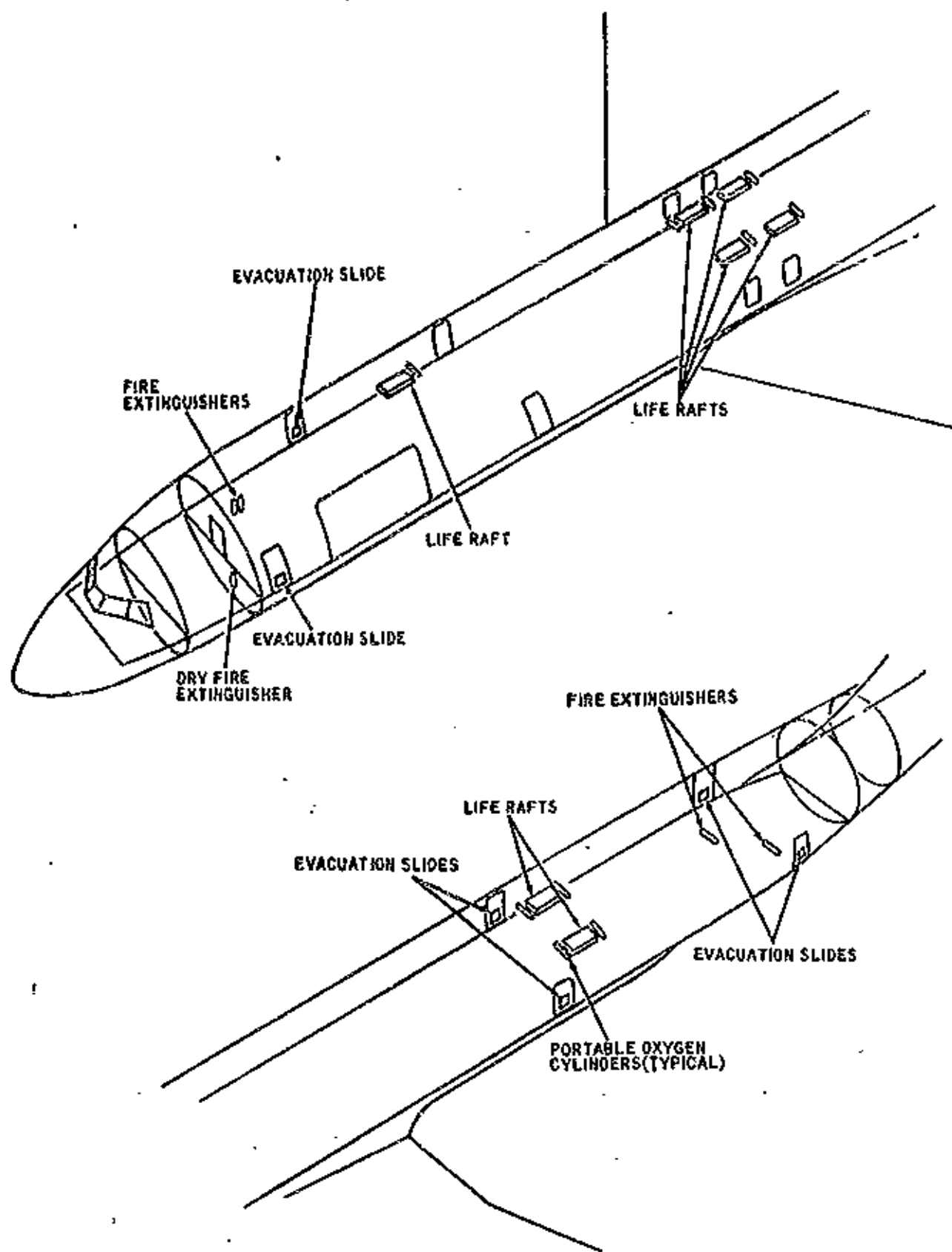
- (10) Type III emergency exits usable; for seat clearance see Figure 202.
- (11) Fire extinguishers (H_2O and CO_2) and oxygen masks in forward cockpit.
- (12) Attendant's forward seats.
- (13) Forward cargo barrier net and crew galley. Fire extinguisher, dry with applicator, at radio rack. Provisions for 10-man liferaft on floor near observer's station.
- (14) Movable cargo/passenger partition (cargo/passenger configurations only).
- (15) 25-man liferafts in removable compartments.
- (16) Galley unit No. 1.
- (17) Galley unit No. 2.
- (18) Forward galley area ceiling panel with oxygen masks for attendants.
- (19) Evacuation slides at forward entrance and service doors.
- (20) Smoke detector pickups (see Figure 203).
- (21) Close toilet vent outlet, located on outer skin outboard of forward aft lavatory, by rotating cover plate 180 degrees.
- (22) Plug-in utility trays with adapters required for each seat without another seat forward.

3. General Requirements for Conversion and Stowage of Cabin Equipment

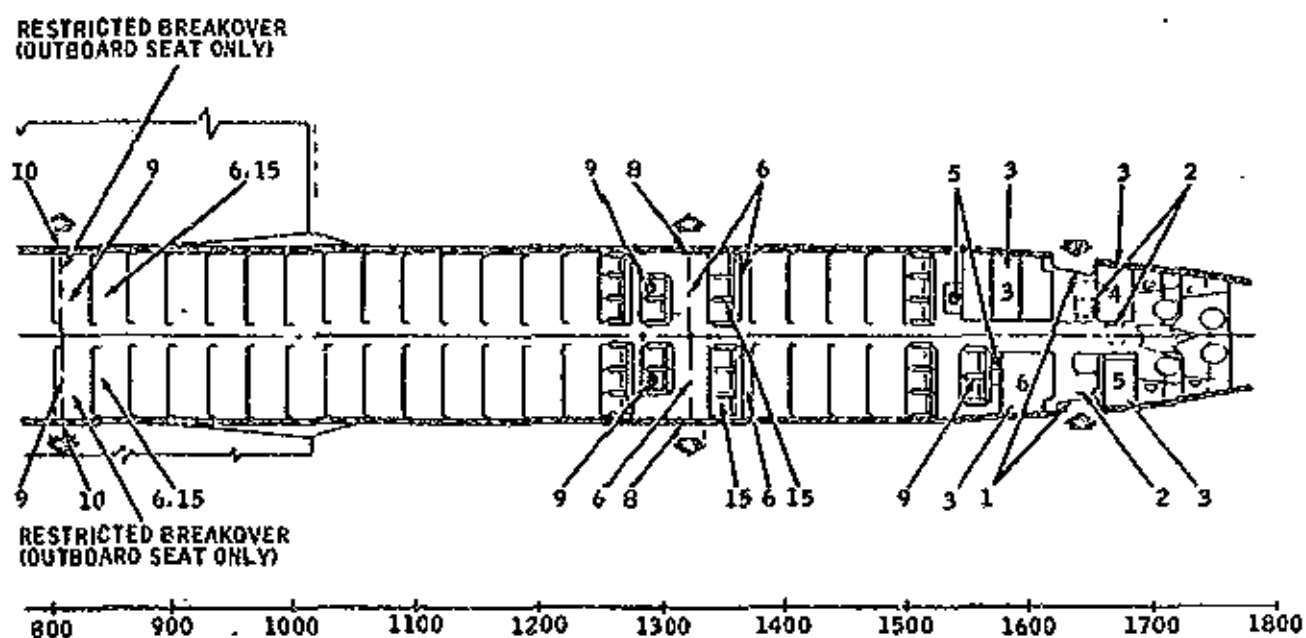
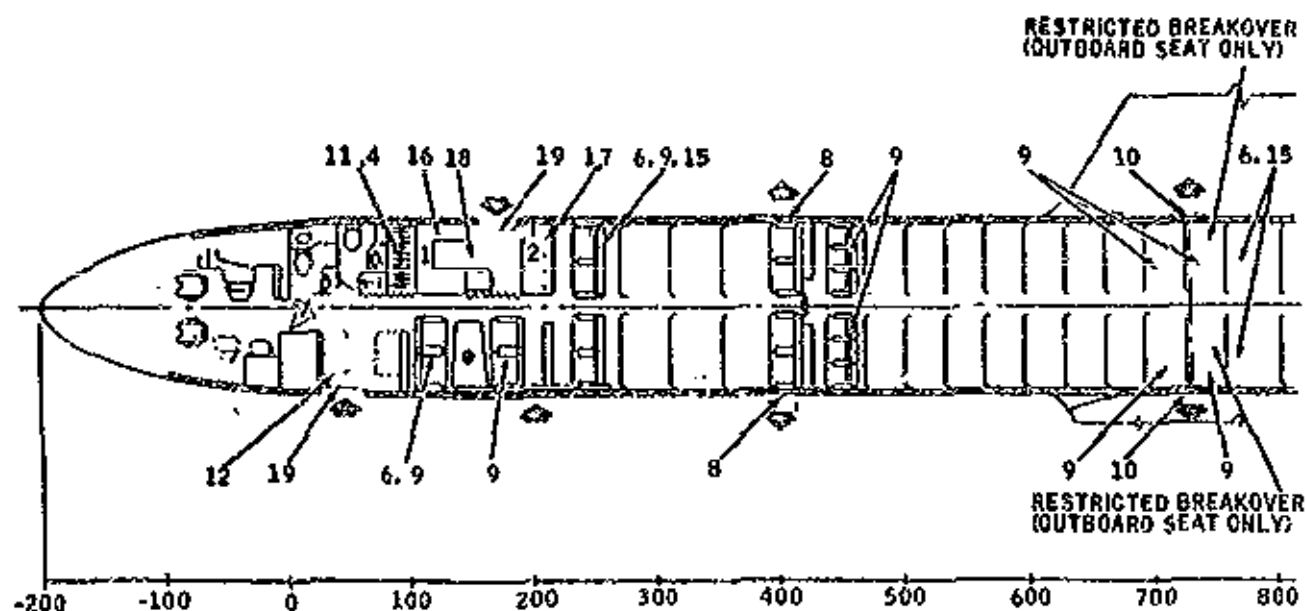
- A. The cabin can provide seats for up to 216 passengers, or it has room for 18 pallets or several combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing an 18-pallet loading system (excluding pallets) stowed in the lower cargo compartments.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

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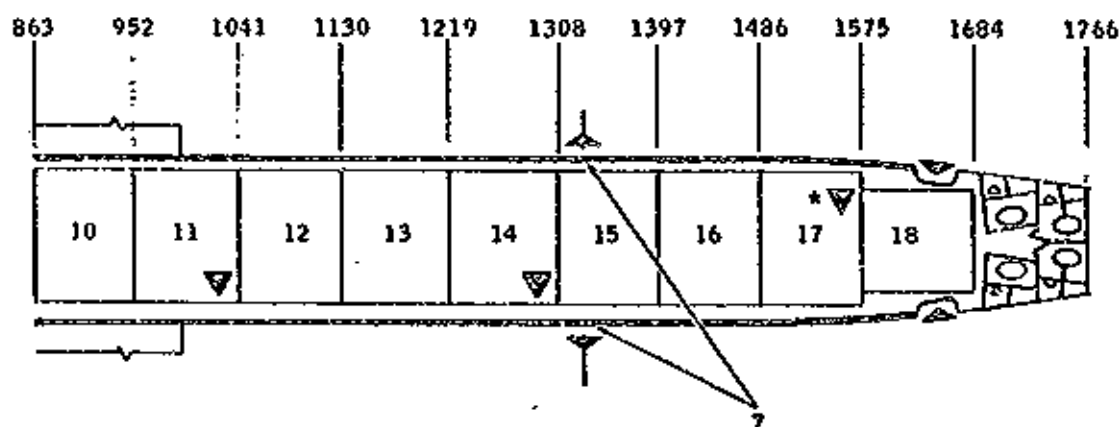
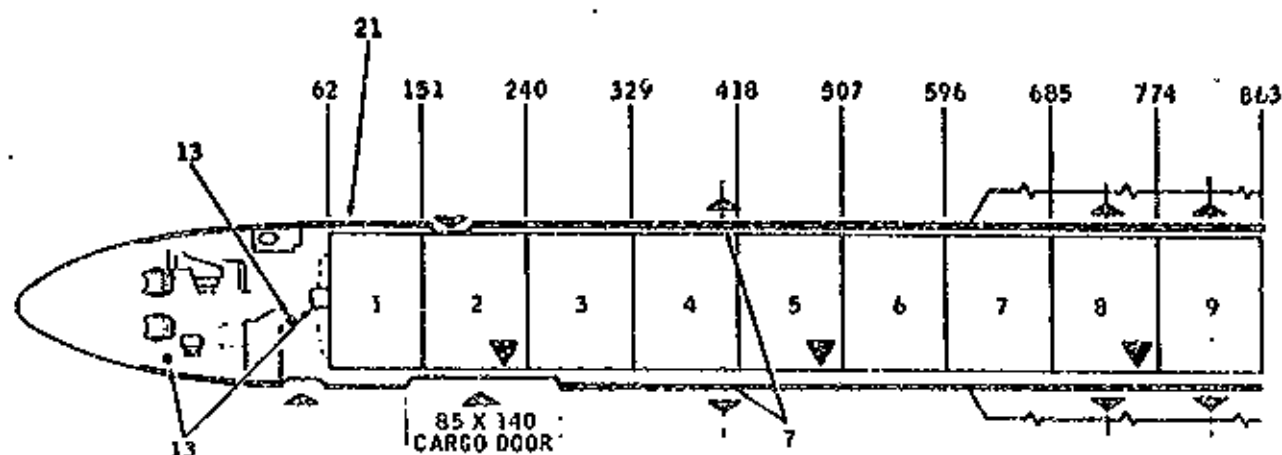
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Cargo/Passenger Conversion
 Figure 201 (Sheet 2)

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ALL CARGO (10 PALLETS)
 ITEMS REQUIRED: 13, 20, 21

▼ SMOKE DETECTOR UNITS

* TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

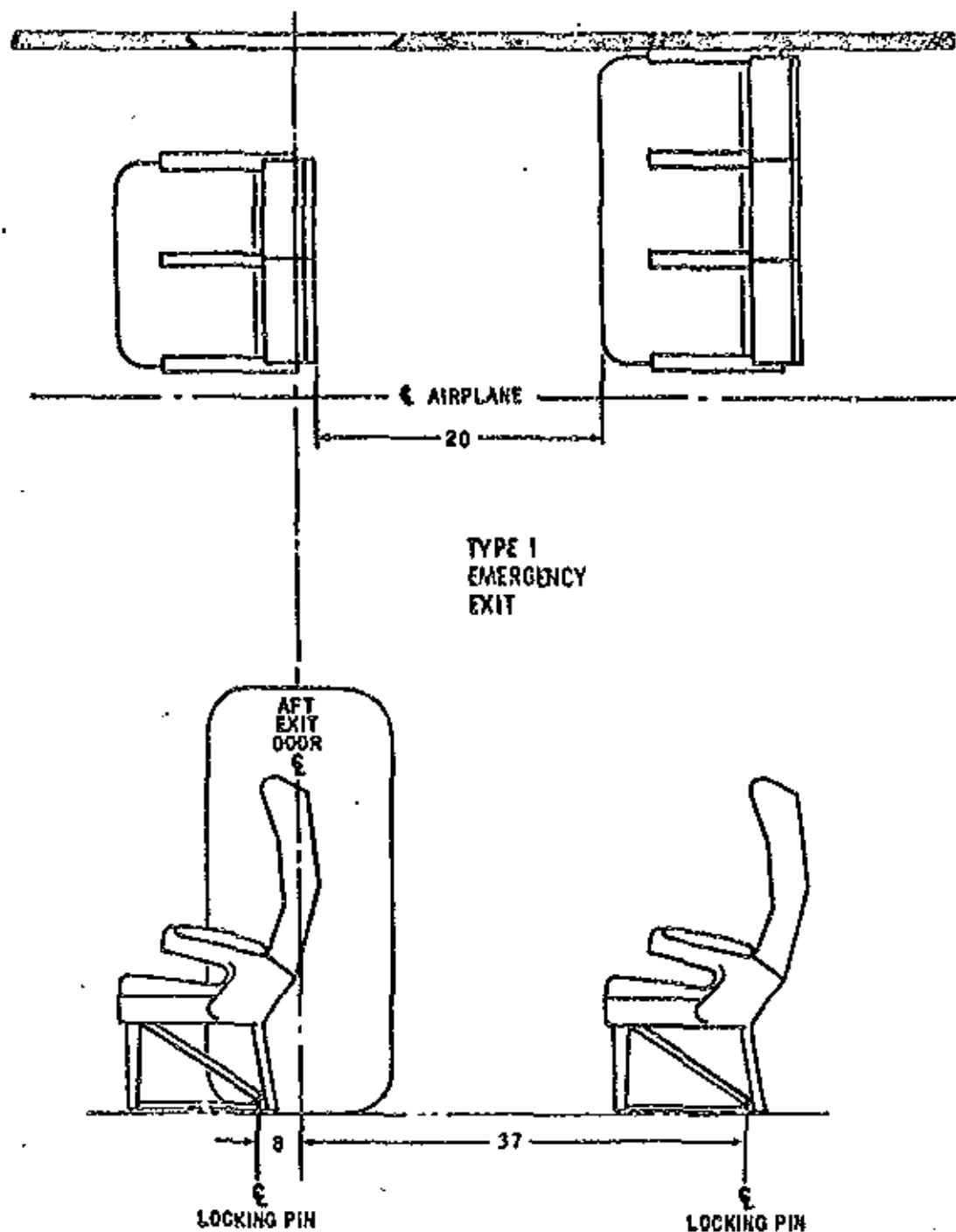
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Cargo/Passenger Conversion
 Figure 201 (Sheet 3)

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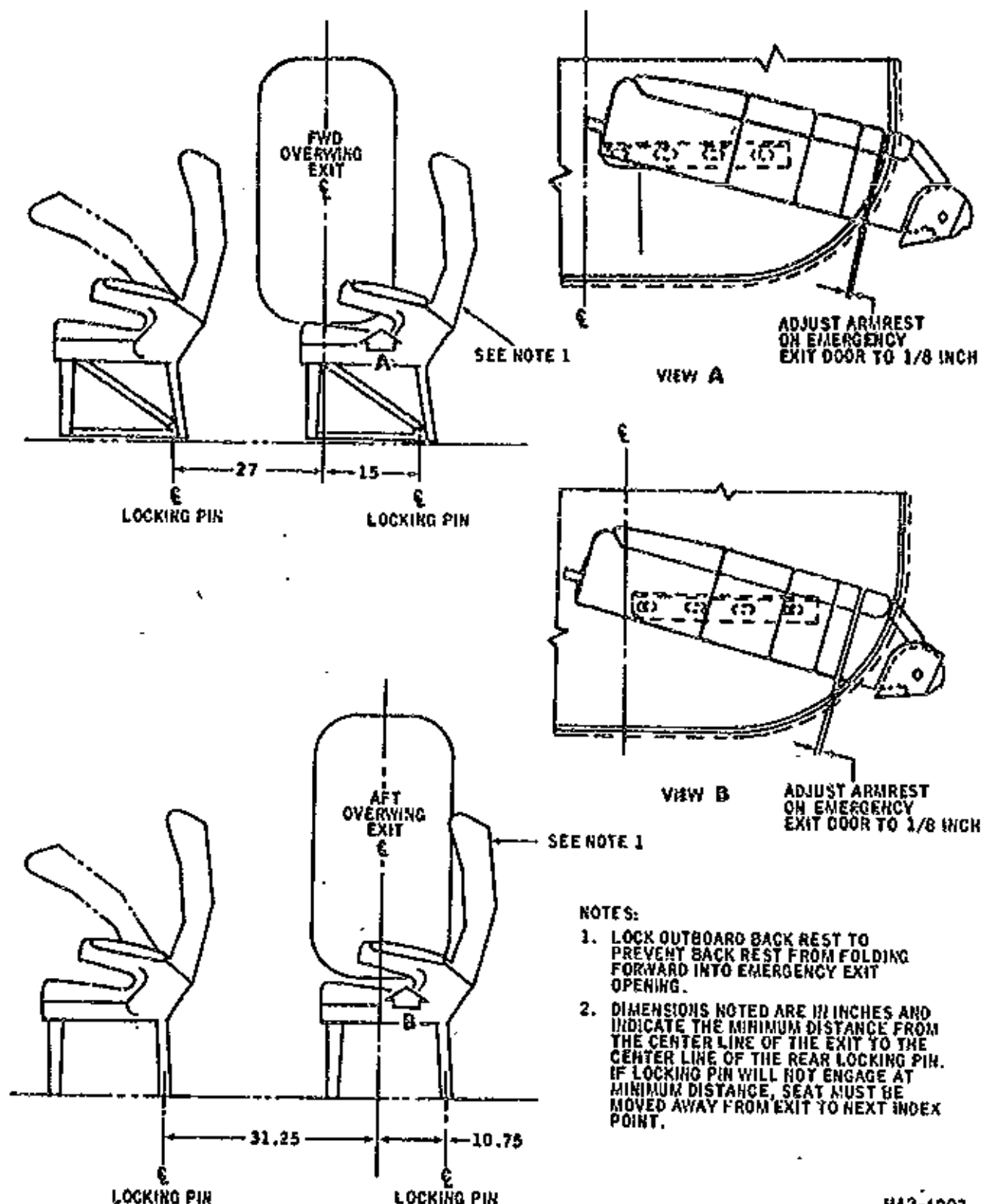
NOTE:

DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

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TYPE III EMERGENCY EXIT



NOTES:

1. LOCK OUTBOARD BACK REST TO PREVENT BACK REST FROM FOLDING FORWARD INTO EMERGENCY EXIT OPENING.
2. DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

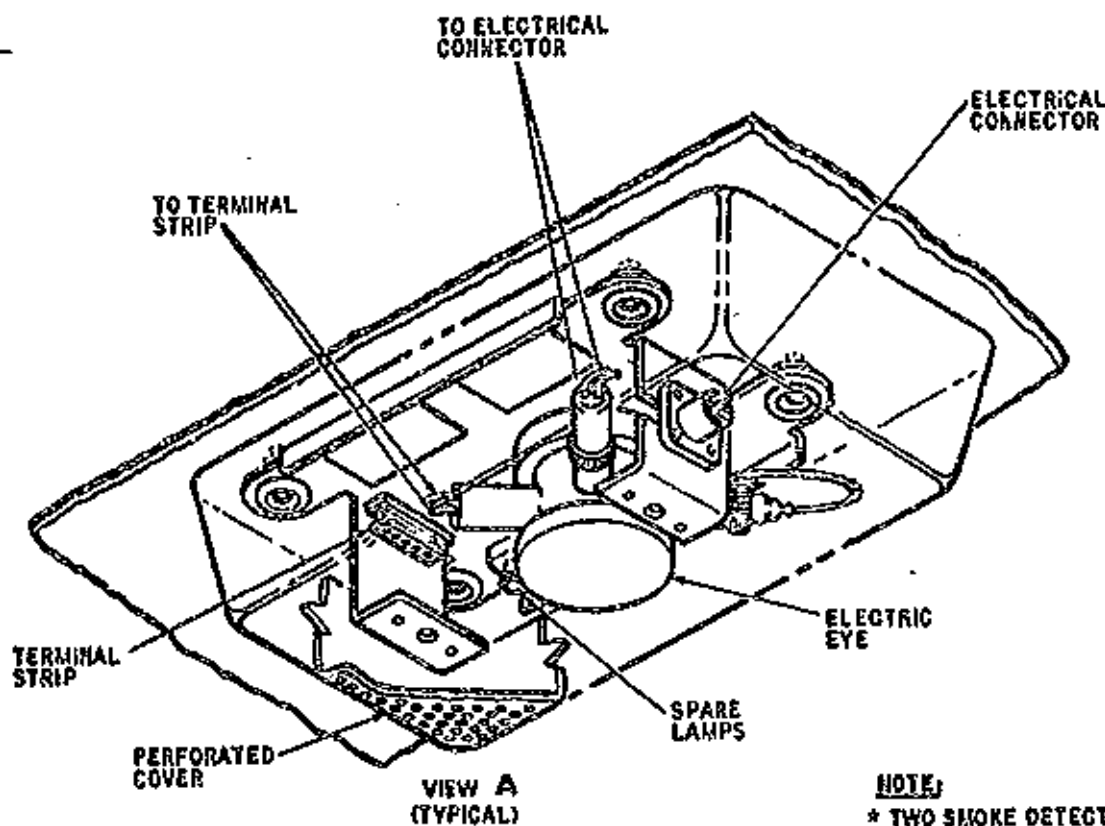
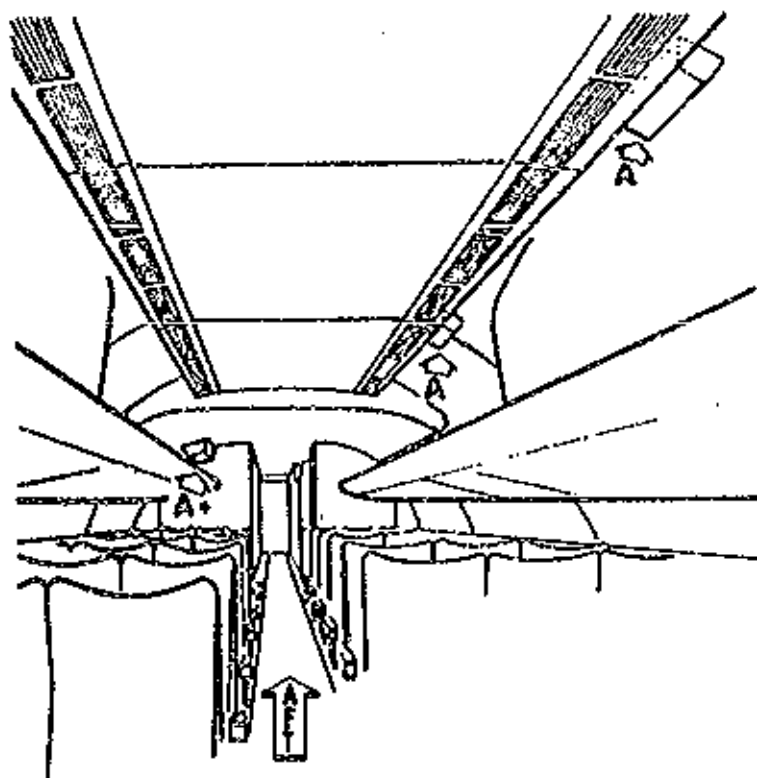
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Emergency Exits -- Seat Clearance
 Figure 202 (Sheet 2)

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NOTE:
 * TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

HA2-5124A

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4. Conversion and Stowage of Cabin Equipment

A. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.
- (2) Position one fork lift or pallet loader at each galley service door.

NOTE: The fork lifts or pallet loaders used must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.

B. Recommended Stations, Work Crews, and Assigned Tasks

- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
- (3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

NOTE: For maximum efficiency, crews No. 1 and 2 should work simultaneously and independently of crews No. 3 and 4.

C. Remove Cabin Equipment - Forward Section

- (1) Remove evacuation slides and slide containers from passenger entrance and galley service doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seat.
- (3) Remove table from lounge area if required.
- (4) Remove partitions (see Chapter 53).
- (5) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in forward galley area. Replace and tighten screws.

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- (6) Remove cargo barrier net attach fitting covers at forward passenger entrance door jamb.
- (7) Convert upper cargo door (see Chapter 52).
 - (a) Remove liners from bottom of door.
 - (b) Remove snap-out panels from door.
 - (c) Remove snap-on covers at floor and on cargo door jamb side panels forward and aft of cargo door.
 - (d) Remove cargo door actuating cylinder cover.
 - (e) Unlatch and open door.
- (8) Unload cabin equipment and position near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed. Place near the forward lower cargo compartment.
- (9) Remove portable oxygen cylinders with masks from liferaft compartment and stow in aft lavatory.
- (10) Remove oxygen masks from overhead stowage racks and stow in aft lavatory.
- (11) Fold down and secure overhead stowage racks in area where seats have been removed (see 25-25-0).

NOTE: Remaining overhead stowage racks may be folded down as seats are removed.
- (12) Remove liferaft containers with liferafts.
- (13) Remove panel containing fire extinguishers, oxygen masks and first aid kit from forward coatroom and stow in aft lavatory.
- (14) Disassemble coatroom located forward of galley No. 1 (see 25-41-0).
- (15) Remove forward galley area ceiling panel and galley No. 2 fairing covering water supply tanks (see 25-28-0).
- (16) Remove galley and coatroom headers.
- (17) Disconnect and remove galley No. 1 (see 25-30-0).
 - (a) Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure bag to one galley section.

NOTE: Disassemble galleys as needed for removal and stowing.
- (18) Remove magazine rack from aft face of galley No. 2.

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- (19) Disconnect and remove galley No. 2 (see 25-30-0).
- (20) Remove forward water supply tanks (see Chapter 38).
- (21) Disconnect and disassemble unitized lavatory (see 25-41-0).
- (22) Install cargo loading system.

- (a) Install cargo loading system hardware for pallet positions No. 1 and 2.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

D. Remove Cabin Equipment - Aft Section

- (1) Remove containers with evacuation slides from passenger entrance and galley service doors.
- (2) Remove aisle and galley curtains and stow in aft lavatory.
- (3) Remove fire extinguishers located on forward face of galleys No. 3 and 6 and stow in aft lavatory.
- (4) Remove miscellaneous stowage compartments located on forward face of galleys No. 3 and 6.
- (5) Disconnect and remove aft galleys (see 25-30-0).

NOTE: Disassemble galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to galley.

- (6) Fold down seat backs, disconnect legs from seat track, and remove seats.
- (7) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the forward lower cargo compartment.

- (8) Remove portable oxygen cylinders, with masks, from liferaft containers and stow in aft lavatory.
- (9) Remove oxygen masks from overhead stowage racks and stow in aft lavatory.
- (10) Fold down and secure overhead stowage racks (see 25-25-0).
- (11) Remove liferaft containers, with liferafts, from overhead stowage racks.

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- (12) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in forward galley area. Replace and tighten screws.
- (13) Remove aft forward lavatories if 88x125 inch pallet is to be used in position 18 (see 25-40-0).
- (14) Remove snap-on covers from dished side panels to provide clearance for pallet No. 17 if required.

E. Remove Cabin Equipment - Center Section

- (1) Remove evacuation slides and slide containers from Type I emergency exit doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seats.
- (3) Remove divider partition and header (see 25-24-0).
- (4) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the aft lower cargo compartment.

- (5) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in forward galley area. Replace and tighten screws.
- (6) Remove portable oxygen cylinders, with masks, from liferaft containers and stow in aft lavatory.
- (7) Remove oxygen masks from overhead stowage racks and stow in aft lavatory.
- (8) Fold down and secure overhead stowage racks (see 25-25-0).
- (9) Remove liferaft containers, with liferafts, from overhead stowage racks.

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F. Cargo Loading System Hardware

- (1) Unload cargo equipment boxes from forward lower cargo compartment.
 - **NOTE:** The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.
- (2) After cargo loading system has been removed from boxes, install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.
- (3) Unload forward barrier net and crew galley if applicable. Place near forward upper cargo door.
- (4) Unload cargo partition sections and hardware.

G. Install Crew Protection and Convenience Equipment

- (1) Install crew galley and horizontal beam.
- (2) Install barrier net.
- (3) Install snap-on panels to close off area of removed water supply tanks.

H. Load Cargo Loading System Equipment Boxes and Cabin Equipment (Forward Lower Cargo Compartment)

- (1) Place cargo equipment boxes in forward lower cargo compartment.
- (2) Stow cabin equipment in lower cargo compartments.

I. Prepare for Cabin Conversion (Cargo to Passenger)

- (1) Open upper cargo door and galley service doors.
- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be utilized for loading of seats and small equipment.

- (3) Recommended stations, work crews, and task assignment (see paragraph 4B).

J. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

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K. Remove Crew Protection and Convenience Equipment

- (1) Remove barrier net.
- (2) Remove crew galley and horizontal beam.
- (3) Remove snap-on panels in area of water supply tanks.

L. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect hardware for damage or wear.
 - (b) Pack in cargo equipment boxes.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

M. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

N. Install Cabin Equipment - Aft Section

- (1) Install floor covering (see 25-27-0).
 - (a) Remove screws for installation of thresholds and cover strips.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels using double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.
- (2) Install aft forward lavatories, if required (see 25-40-0).
- (3) Install aft galleys (see 25-30-0).
- (4) Install miscellaneous stowage compartments on forward face of galleys No. 3 and 6.
- (5) Install liferaft containers with liferafts at locations shown in Figure 201.
- (6) Raise and secure overhead stowage racks (see 25-25-0).

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- (7) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (8) Install snap-on covers on dished side panels.
- (9) Install passenger seats (see 23-23-1).

NOTE: Begin to install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

- (10) Install aisle and galley curtains.

O. Install Cabin Equipment - Center Section

- (1) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (2) Install liferaft container with liferafts at locations shown in Figure 201.
- (3) Raise and secure overhead stowage racks (see 25-25-0).
- (4) Install divider partition and header.

P. Install Cabin Equipment - Forward Section

- (1) Assemble and install unitized lavatory (see 25-41-0).
- (2) Install floor coverings in doorway and galley areas (see 25-27-0).
 - (a) Remove screws for installation of thresholds and cover strips.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels using double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.
- (3) Install forward water supply tanks (see Chapter 38).
- (4) Install galley No. 1 (see 25-30-0).
- (5) Assemble coatroom located forward of galley No. 1 (see 25-41-0).
- (6) Install galley No. 2 (see 25-30-0).
- (7) Install galley area ceiling panel and fairing on No. 2 galley under water supply tanks (see 25-28-0).
- (8) Install magazine rack on aft face of No. 2 galley.

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- (9) Install galley and coatroom headers.
- (10) Install liferaft containers with liferafts at locations shown in Figure 201.
- (11) Raise and secure overhead stowage racks (see 25-25-0).
- (12) Close and secure upper cargo door (see Chapter 52).

(a) Install liners and snap-out panels.

- (13) Install carpets, using retaining strips inside rolls to secure carpet in place.
- (14) Install remaining seats (see 25-23-1).

CAUTION: MAKE CERTAIN SEATS WITH RESTRICTED RECLINE AND BREAKOVER BACKS ARE INSTALLED AT OVERWING EXITS.

- (15) Install coatroom and aisle curtains.
- (16) Install partitions and header.
- (17) Install table in lounge area.

Q. Install Emergency Equipment (see Figure 201)

- (1) Install evacuation slides on forward and aft passenger entrance and galley service doors.
- (2) Install evacuation slides at Type I emergency exit doors.
- (3) Install portable oxygen cylinders with masks, on liferaft compartments.
- (4) Install oxygen masks on overhead stowage racks.
- (5) Install fire extinguishers (H_2O and CO_2) forward of galleys No. 3 and 6.
- (6) Install fire extinguishers (H_2O and CO_2) in forward coatroom.
- (7) Install first aid kit in forward coatroom.
- (8) Check to ensure that all emergency equipment is in place.

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried on the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from 3 to 18 pallets.
- B. Four Type 1 (Jetescape) emergency exits are located at floor level. Under many cargo/passenger configurations activation of these exits is required.
- C. In the all cargo configuration the toilet vents must be closed.
- D. All but two smoke detector units are located to the left of airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- E. Provisions for liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides at aft entrance and service doors.
 - (2) Aft double attendant's seat.
 - (3) Aft galley units.
 - (4) First aid kit in aft coatroom.
 - (5) Fire extinguishers (CO_2 and H_2O) in aft coatroom.
 - (6) Portable oxygen cylinders (with masks) in overhead stowage racks.
 - (7) Type I and Type III emergency exits not usable.
 - (8) Type I emergency exits usable. Evacuation slides at Type I exits.
 - (9) Oxygen masks in overhead stowage racks.
 - (10) Type III emergency exits usable.
 - (11) Fire extinguishers (H_2O and CO_2) and first aid kit in forward coatroom.

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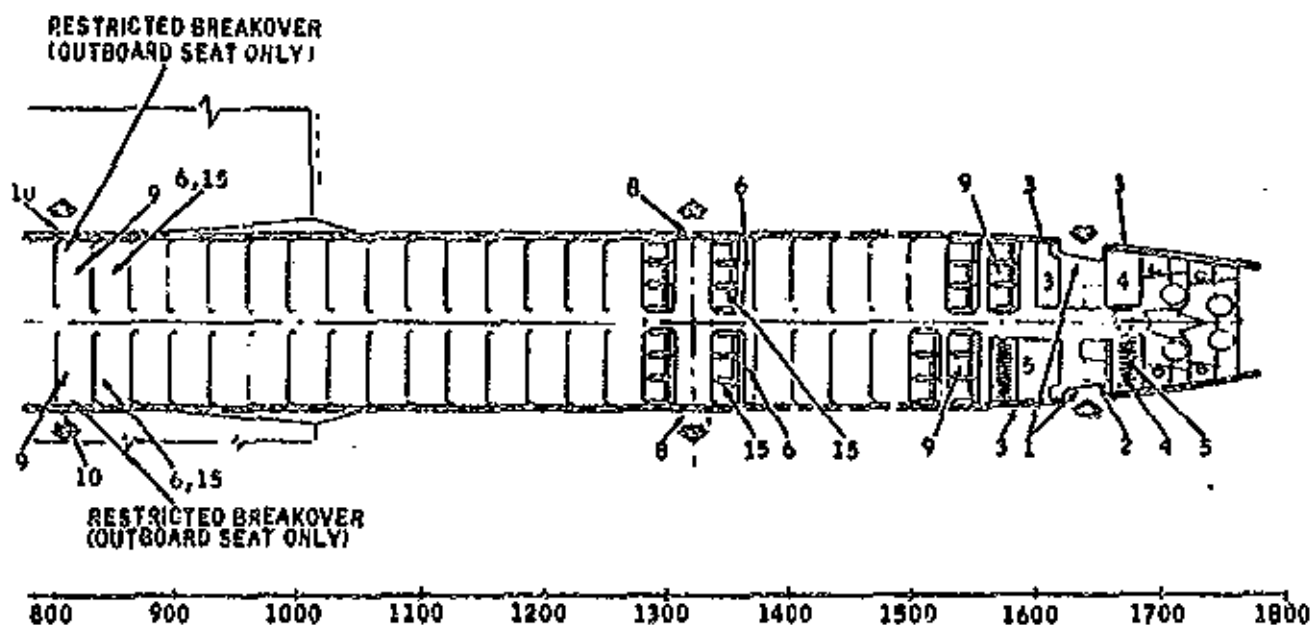
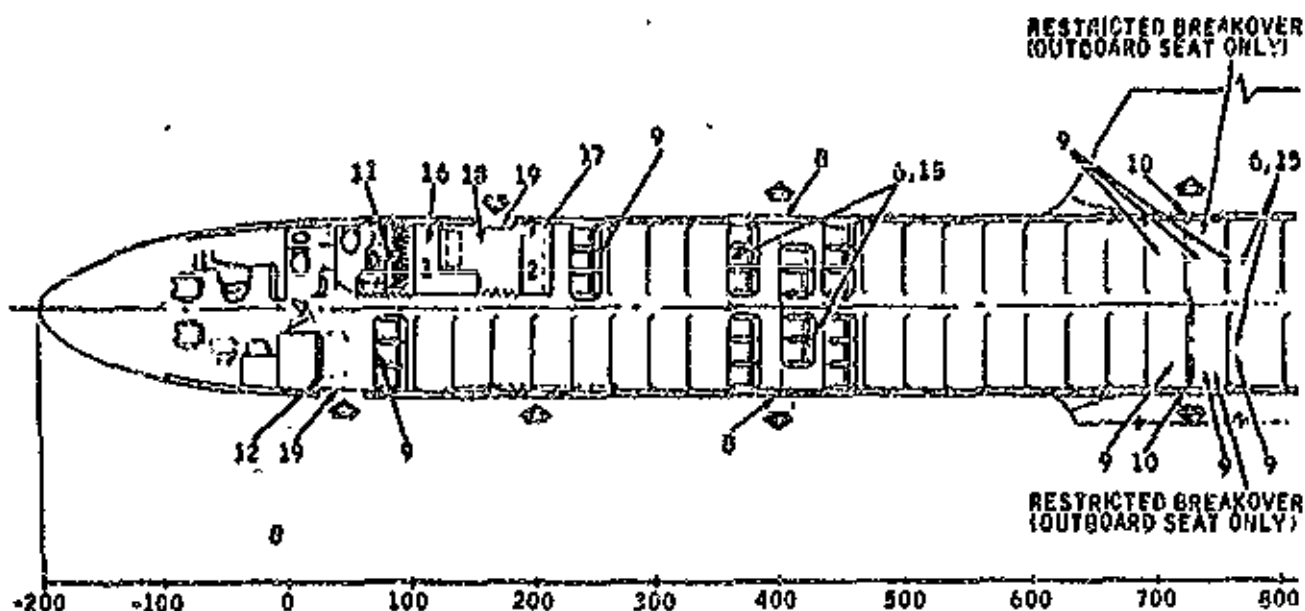
- (12) Double attendant's seat, forward.
- (13) Forward cargo barrier net and crew galley. Fire extinguisher, dry with applicator, aft of radio rack. Provisions for liferaft on floor near observer's station.
- (14) Movable cargo/passenger partition (cargo/passenger configurations only).
- (15) Provisions for 25-man liferafts in removable compartments, in storage racks.
- (16) Galley unit No. 1, with oxygen masks for attendants.
- (17) Galley unit No. 2.
- (18) Forward galley area ceiling panel with oxygen masks for attendants.
- (19) Evacuation slides at forward entrance and service doors.
- (20) Smoke detector units (see Figure 202).
- (21) Toilet vent outlet, located on outer skin outboard of forward aft lavatory.
- (22) Plug-in utility trays with adapters. One adapter required for each triple seat without another seat forward.
- (23) Courier seat if required.
- (24) Smoke barrier (if courier seat is required).

3. General Requirements for Conversion and Stowage of Cabin Equipment

- A. The cabin can provide seats for up to 221 passengers, or it has room for 18 pallets or several combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing an 18-pallet loading system (excluding pallets) stowed in the lower cargo compartments. A portable toilet, courier seat, and supplemental courier seat may also be carried when necessary.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

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HA2-6341

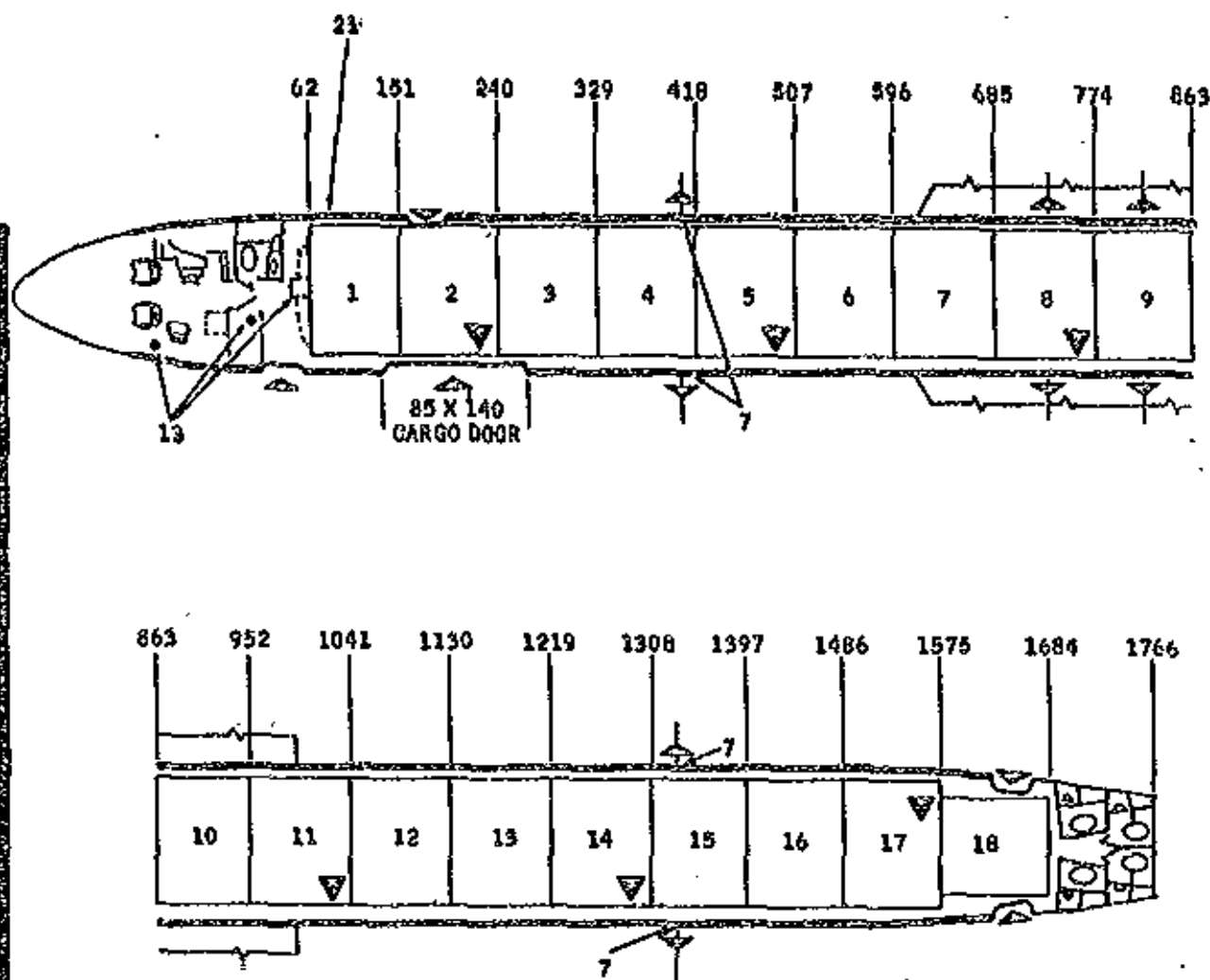
Cargo/Passenger Conversion
 Figure 201 (Sheet 1)

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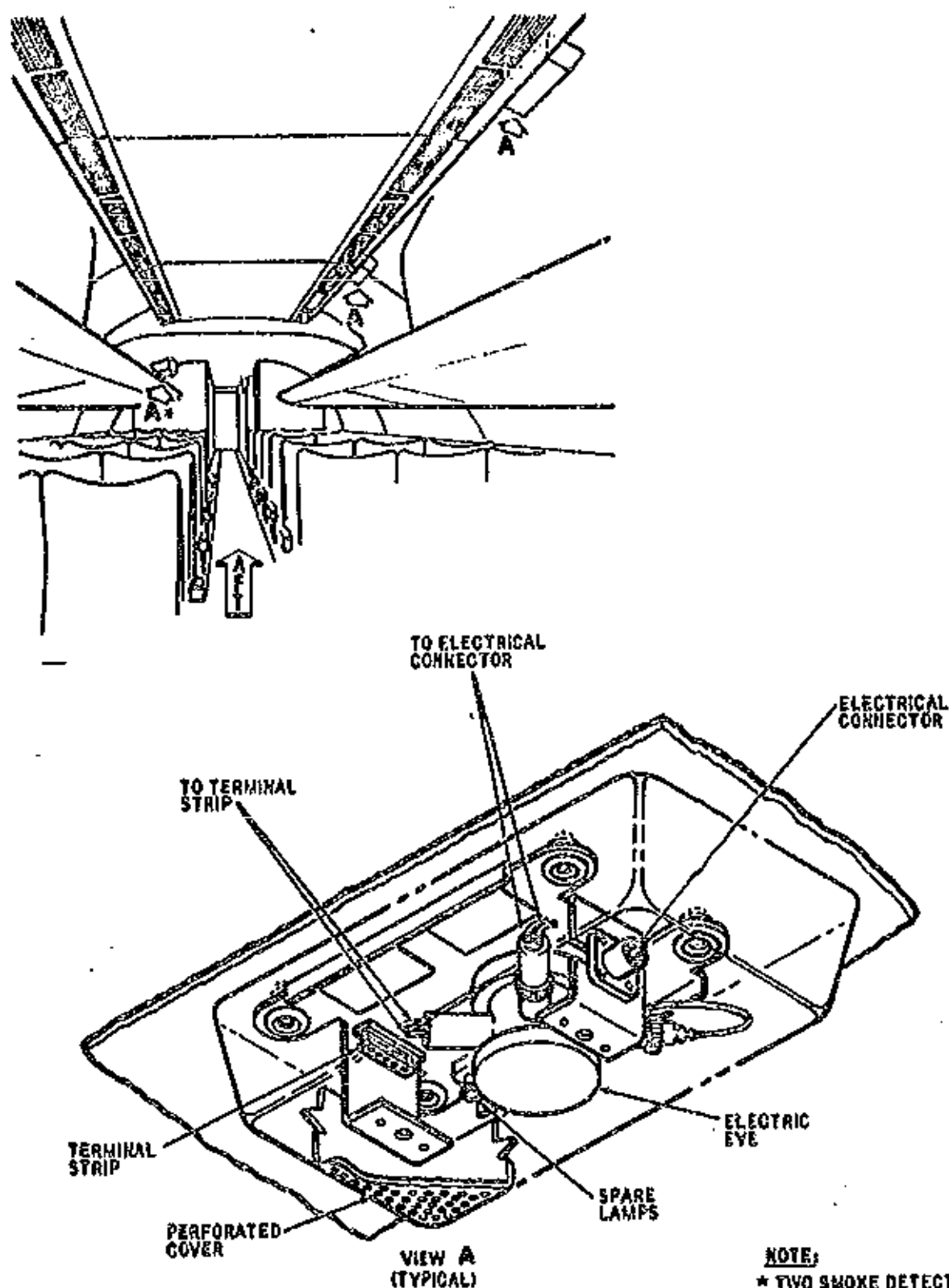
ALL CARGO (18 PALLETS)
 ITEMS REQUIRED: 13, 19, 20 22

▽ SMOKE DETECTOR UNITS

* TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

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Smoke Detector Units
 Figure 202

HA1-5124A

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4. Conversion and Stowage of Cabin Equipment

A. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.
- (2) Position one fork lift or pallet loader at each galley service door.

NOTE: The fork lifts or pallet loaders used must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.

B. Recommended Stations, Work Crews, and Assigned Tasks

- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
- (3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

NOTE: For maximum efficiency, crews No. 1 and 2 should work simultaneously and independently of crews No. 3 and 4.

C. Remove Cabin Equipment - Forward Section

- (1) Remove evacuation slides and slide containers from passenger entrance and galley service doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seat.
- (3) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing plastic retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in area of forward galleys. Replace and tighten screws.
- (4) Remove cargo barrier net attach fitting covers at forward passenger entrance door jamb.

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- (5) Convert upper cargo door (see Chapter 52).
 - (a) Remove liners from bottom of door.
 - (b) Remove snap-out panels from door.
 - (c) Remove snap-on covers at floor and on cargo door jamb side panels forward and aft of cargo door.
 - (d) Remove cargo door actuating cylinder cover.
 - (e) Remove cover from forward most smoke detector unit above door (see Figure 202).
 - (f) Unlatch and open door.
- (6) Unload cabin equipment and position near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed. Place near the forward lower cargo compartment.
- (7) Remove portable oxygen cylinders with masks from liferaft containers and stow in aft lavatories.
- (8) Remove oxygen masks from overhead stowage racks and stow in aft lavatories.
- (9) Fold down and secure overhead stowage racks in area where seats have been removed (see 25-25-0).

NOTE: Remaining overhead stowage racks may be folded down as seats are removed.
- (10) Remove liferaft containers with liferafts.
- (11) Remove panel containing fire extinguishers and brackets and first aid kit from forward coatroom and stow in aft lavatories.
- (12) Remove coatroom forward of galley No. 1 (see 25-41-0).
- (13) Remove forward galley area ceiling panel and galley No. 2 fairing covering water supply tanks (see 25-28-0).
- (14) Disconnect and remove galley No. 1 (see 25-30-0).
- (15) Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure bag to one section.
- (16) Disconnect and remove galley No. 2 (see 25-30-0).
- (17) Remove forward water supply tanks (see Chapter 38).

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- (18) Disconnect and disassemble unitized lavatory forward of galley No. 1 (see 25-41-0).
- (19) Disconnect and disassemble forward lavatory and remove inboard partition, if called for in cargo configuration (see 25-40-0).
- (20) Stow toilet bowl assembly and washstand for forward lavatory in one of aft lavatories.
- (21) Install cargo loading system.
 - (a) Install cargo loading system hardware for pallet positions No. 1 and 2.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

D. Remove Cabin Equipment - Aft Section

- (1) Remove containers with evacuation slides from passenger entrance and galley service doors.
- (2) Remove aisle and galley curtains and stow in aft lavatory.
- (3) Disconnect and remove aft galleys (see 25-30-0).

NOTE: Disassemble galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to galley.
- (4) Remove fire extinguishers and brackets and stow in one of aft lavatories.
- (5) Remove first aid kit, oxygen masks, coatroom shelf, and curtain from coatroom and stow in aft lavatory.
- (6) Remove partition with attendants' seat.
- (7) Fold down seat backs, disconnect legs from seat track, and remove seats.
- (8) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the forward lower cargo compartment.

- (9) Remove oxygen masks from overhead stowage racks and stow in aft lavatories.
- (10) Remove portable oxygen cylinders, with masks, from liferaft containers and stow in aft lavatory.
- (11) Fold down and secure overhead stowage racks (see 25-25-0).
- (12) Remove liferaft containers, with liferafts.

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- (13) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in forward galley area. Replace and tighten screws.
- (14) Remove snap-on covers from dished side panels to provide clearance for pallet No. 17 if required.

E. Remove Cabin Equipment - Center Section

- (1) Remove evacuation slides and containers from Type I emergency exit doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seats.
- (3) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the aft lower cargo compartment.
- (4) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in forward galley area. Replace and tighten screws.
- (5) Remove portable oxygen cylinders with masks from liferaft containers and stow in aft lavatory.
- (6) Remove oxygen masks from overhead stowage racks and stow in aft lavatories.
- (7) Fold down and secure overhead stowage racks (see 25-25-0).
- (8) Remove liferaft containers with liferafts.

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F. Cargo Loading System Hardware

- (1) Unload cargo equipment boxes from forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

- (2) After cargo loading system has been removed from boxes, install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.
- (3) Unload forward barrier net and crew galley if applicable. Place near forward upper cargo door.
- (4) Unload cargo partition sections and hardware.

G. Install Crew Protection and Convenience Equipment

- (1) Install courier seat, if called for in cargo configuration (see 25-11-5).
- (2) Install crew galley and horizontal beam.
- (3) Install cargo barrier net and smoke barrier.
- (4) Install snap-on panels to close off area of removed water supply tanks.
- (5) Install carry-on toilet, if called for in cargo configuration.

H. Load Cargo Loading System Equipment Boxes and Cabin Equipment (Forward Lower Cargo Compartment)

- (1) Place cargo equipment boxes in forward lower cargo compartment.
- (2) Stow cabin equipment in lower cargo compartments.

I. Prepare for Cabin Conversion (Cargo to Passenger)

- (1) Open upper cargo door and galley service doors.
- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be utilized for loading of seats and small equipment.

- (3) Recommended stations, work crews, and task assignment (see Paragraph 4b).

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J. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

K. Remove Crew Protection and Convenience Equipment

- (1) Remove cargo barrier net and smoke barrier.
- (2) Remove crew galley and horizontal beam.
- (3) Remove courier seat if applicable (see 25-11-5).
- (4) Remove carry-on toilet, if applicable.
- (5) Remove snap-on panels in area of water supply tanks.

L. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect hardware for damage or wear.
 - (b) Pack in cargo equipment boxes.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

M. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

N. Install Cabin Equipment - Aft Section

- (1) Install floor covering.
 - (a) Remove screws for installation of thresholds and cover strips.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels using double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.

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- (2) Install aft galleys (see 25-30-0).
- (3) Install partition with attendants' seat.
- (4) Install aft coatroom shelf and curtain.
- (5) Install liferafts in containers at locations shown in Figure 201.
- (6) Raise and secure overhead stowage racks (see 25-25-0).
- (7) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (8) Install passenger seats (see 25-23-1).

NOTE: Begin to install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

- (9) Install aisle and galley curtains.

O. Install Cabin Equipment - Center Section

- (1) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (2) Install liferaft in containers at locations shown in Figure 201.
- (3) Raise and secure overhead stowage racks (see 25-25-0).

P. Install Cabin Equipment - Forward Section

- (1) Install forward lavatory, if applicable.
- (2) Assemble and install unitized lavatory forward of galley No. 1 (see 25-41-0).
- (3) Install floor covering (see 25-27-0).
 - (a) Remove screws for installation of thresholds and cover strips.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels using double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.
- (4) Install forward water supply tanks (see Chapter 38).
- (5) Install galley No. 1 (see 25-30-0).

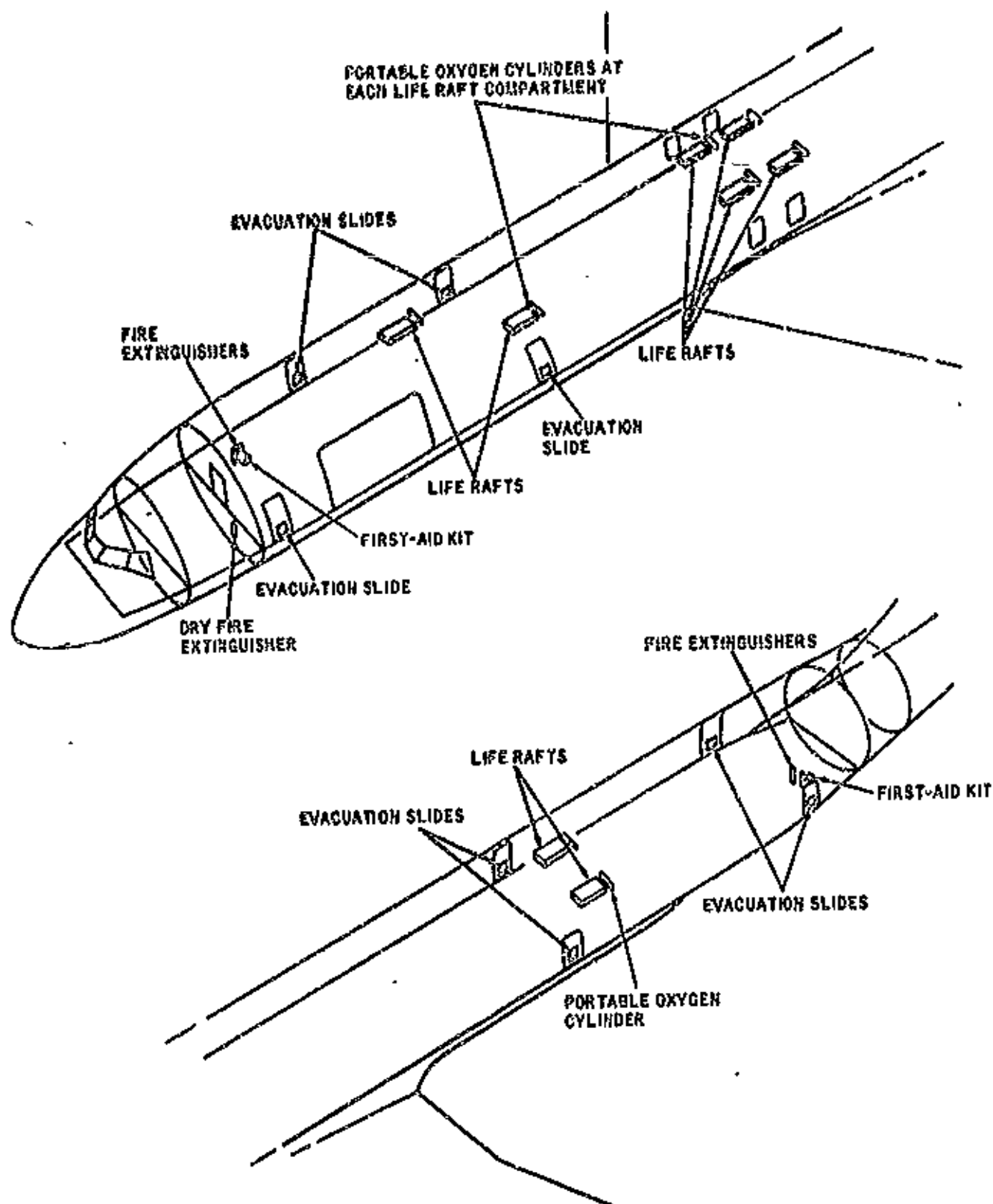
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- (6) Install coatroom forward of galley No. 1 (see 25-41-0).
- (7) Install galley No. 2 (see 25-30-0).
- (8) Install galley area ceiling panel and fairing on No. 2 galley under water supply tanks (see 25-28-0).
- (9) Install liferafts at locations shown in Figure 201.
- (10) Raise and secure overhead stowage racks (see 25-25-0).
- (11) Close and secure upper cargo door (see Chapter 52).
 - (a) Install liners and snap-out panels.
 - (b) Install cover over forward most smoke detector unit.
- (12) Install carpets, using retaining strips inside rolls to secure carpet in place.
- (13) Install remaining seats (see 25-23-1).
- (14) Install coatroom and aisle curtains.

Q. Install Emergency Equipment (see Figure 203)

- (1) Install evacuation slides on forward and aft passenger entrance and galley service doors.
- (2) Install evacuation slides at Type I emergency exit doors.
- (3) Install oxygen masks on overhead stowage racks.
- (4) Install liferaft compartments on overhead stowage racks.
- (5) Install portable oxygen cylinders and masks adjacent to liferaft containers.
- (6) Install first aid kit in aft coatroom.
- (7) Install fire extinguishers (CO_2 and H_2O) in aft coatroom.
- (8) Install panel containing fire extinguishers (H_2O and CO_2) in forward coatroom.
- (9) Check to ensure that all emergency equipment is in place.

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HA2-6340

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried on the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from 3 to 18 pallets.
- B. Four Type I (Jeteescape) emergency exits are located at floor level. Under many cargo/passenger configurations activation of these exits is required.
- C. In the all cargo configuration the toilet vents must be closed.
- D. All but two smoke detector pickups are located to the left of airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- E. Provisions for 25-man liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides at entrance and service doors.
 - (2) Aft double attendant's seat.
 - (3) Aft galley units.
 - (4) First aid kit in aft coatroom.
 - (5) Fire extinguishers (CO₂ and H₂O) in aft coatroom.
 - (6) Portable oxygen cylinders (with masks) in overhead stowage racks.
 - (7) Type I and Type III emergency exits not usable.
 - (8) Type I emergency exits usable; for seat clearance see Figure 202. Evacuation slides at Type I exits.
 - (9) Oxygen masks in overhead stowage racks.
 - (10) Type III emergency exits usable; for seat clearance see Figure 202.
 - (11) Fire extinguishers (H₂O and CO₂) in forward coatroom.

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- (12) Double attendant's seat, forward.
- (13) Forward cargo barrier net, crew galley, and carry-on toilet. Fire extinguisher, dry with applicator, at radio rack. Provisions for a liferaft on floor near observer's station and a liferaft on floor forward of EPC.
- (14) Movable cargo/passenger partition (cargo/passenger configurations only).
- (15) Provisions for 25-man liferafts in removable compartments, in stowage racks.
- (16) Galley unit No. 1.
- (17) Forward galley area ceiling with oxygen masks for attendants.
- (18) Galley unit No. 2.
- (19) Smoke detector units (see Figures 201 and 203).
- (20) Close toilet vent outlet, located on outer skin outboard of forward aft lavatory, by rotating cover plate 180 degrees.
- (21) Plug-in utility trays with adaptors required for each seat without another seat forward.
- (22) Courier seat and supplemental courier seat.

3. General Requirements for Conversion and Stowage of Cabin Equipment

- A. The cabin can provide seats for up to 250 passengers, or it has room for 18 pallets or several combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing an 18-pallet loading system (excluding pallets) stowed in the lower cargo compartments. A portable toilet, courier seat, and supplemental courier seat may also be carried when necessary.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

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4. Conversion and Stowage of Cabin Equipment

A. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.
- (2) Position one fork lift or pallet loader at each galley service door.

NOTE: The fork lifts or pallet loaders used must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.

B. Recommended Stations, Work Crews, and Assigned Tasks

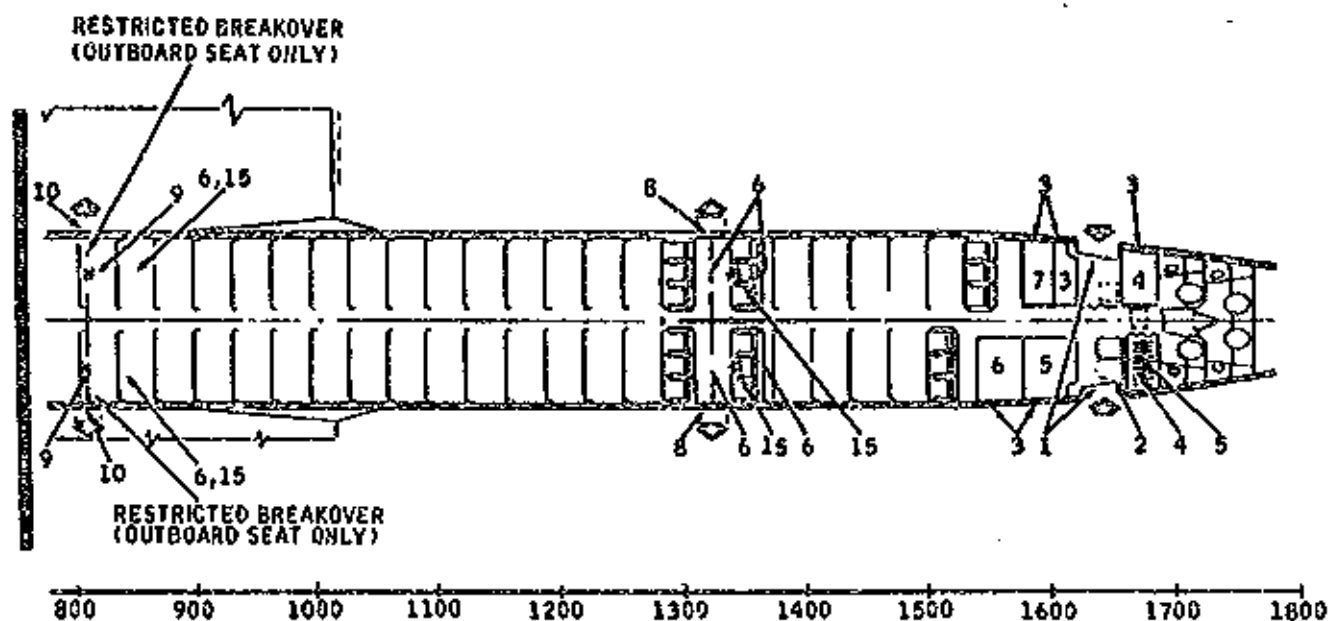
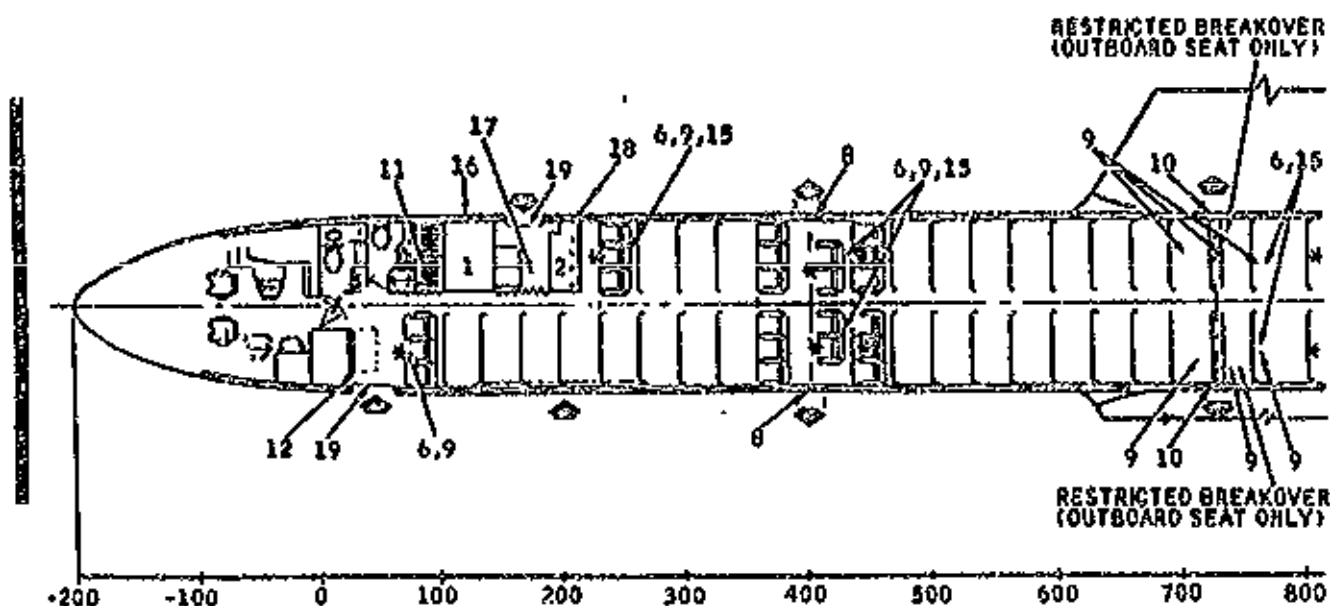
- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
- (3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

NOTE: For maximum efficiency, crews No. 1 and 2 should work simultaneously and independently of crews No. 3 and 4.

C. Remove Cabin Equipment - Forward Section

- (1) Remove evacuation slides and slide containers from passenger entrance and galley service doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seats.
- (3) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing plastic seat track covers inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in area of forward galleys. Replace and tighten screws.
- (4) Convert upper cargo door (see Chapter 52).
 - (a) Remove liners from bottom of door.

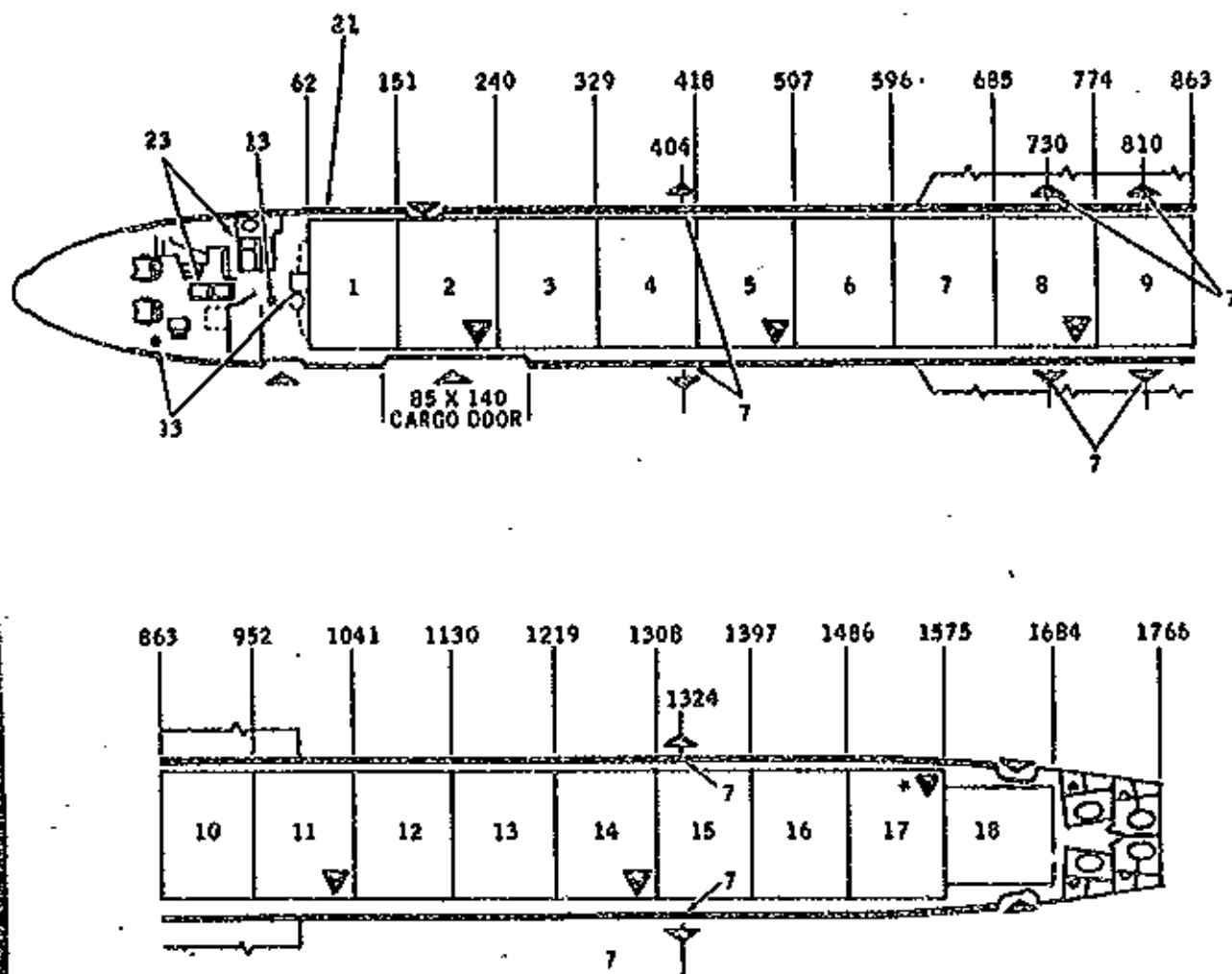
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NOTE: * INDICATES PLUG-IN FOOD TRAYS,
 ITEM 22.

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NOTE:

ALL CARGO (18 PALLETS)
 ITEMS REQUIRED: 13, 19, 20
 22

- ▼ SMOKE DETECTOR UNITS
- * TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

HA2-5121A

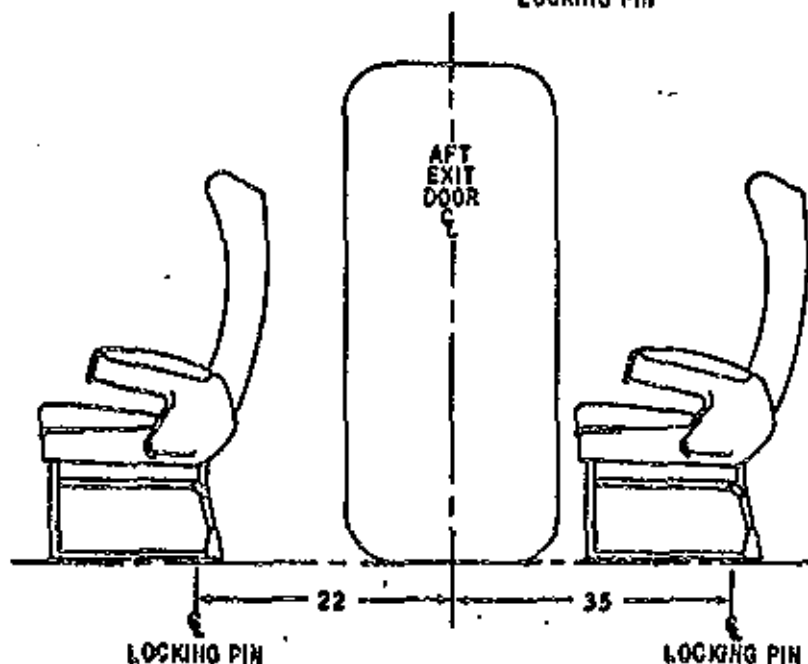
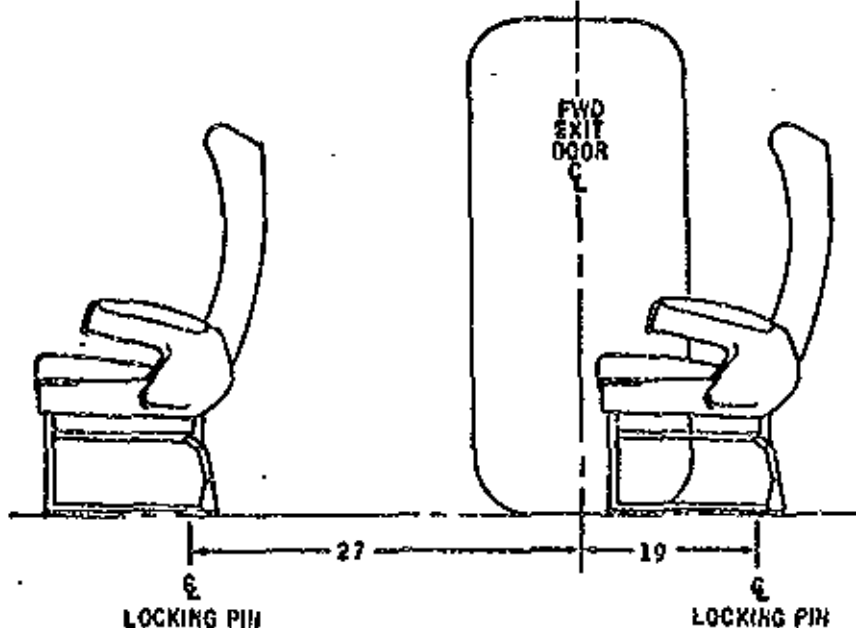
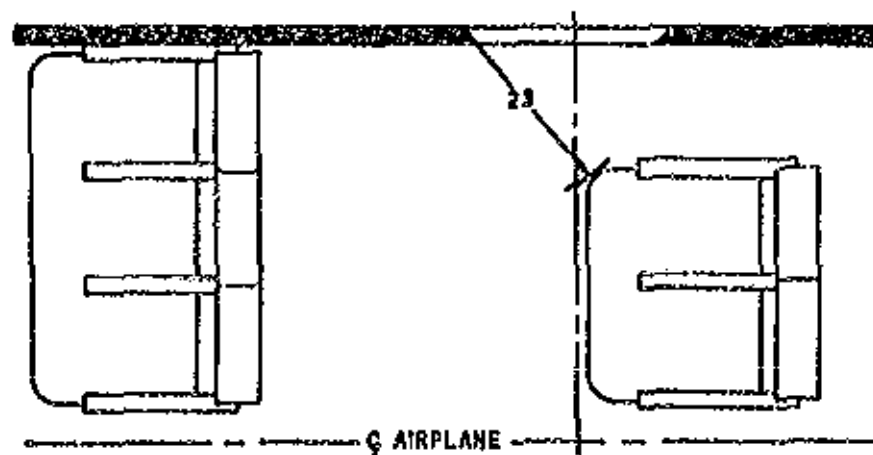
Cargo/Passenger Conversion
 Figure 201 (Sheet 2)

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TYPE I
 EMERGENCY
 EXIT

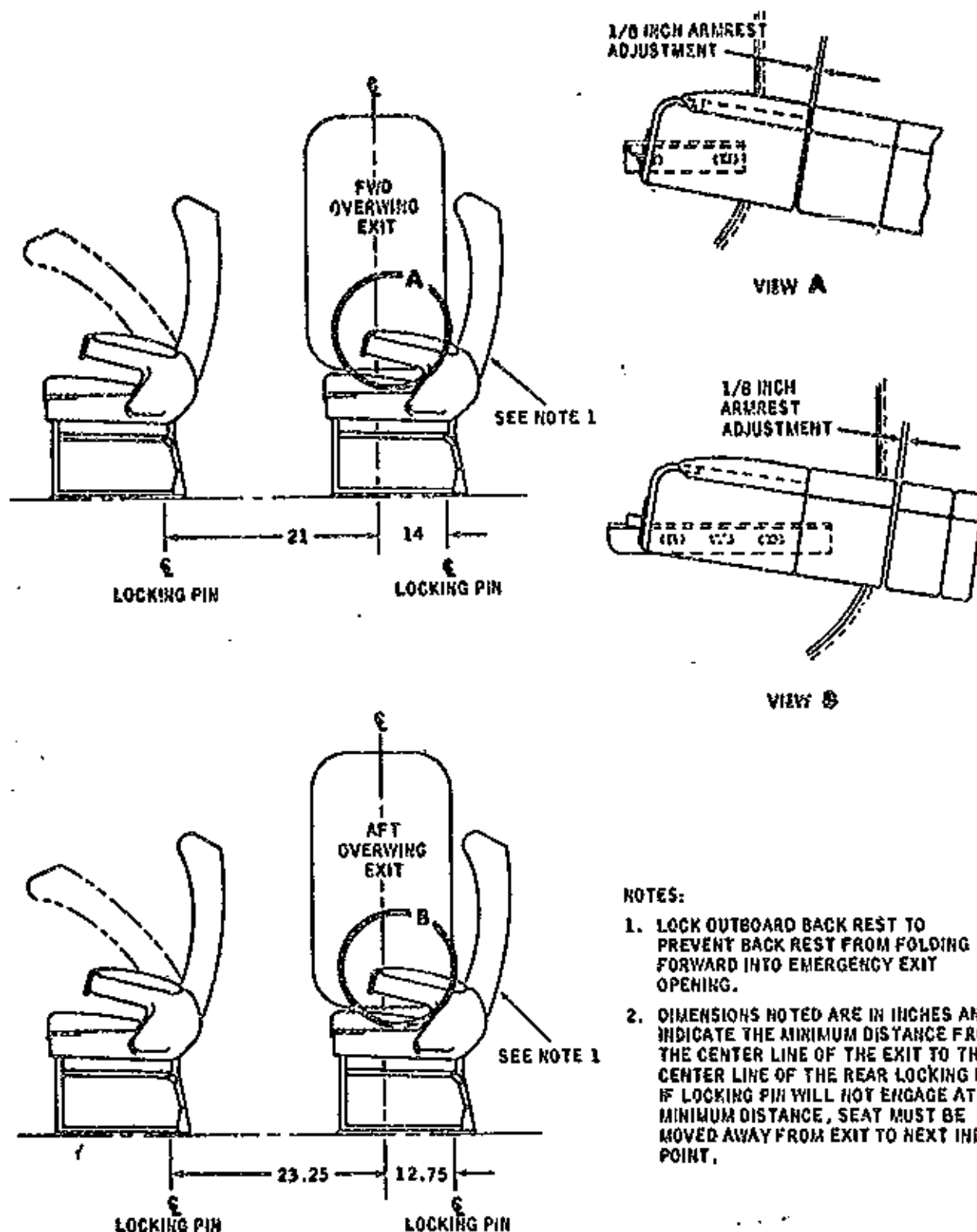


NOTE:
 DIMENSIONS NOTED ARE IN
 INCHES AND INDICATE THE
 MINIMUM DISTANCE FROM THE
 CENTER LINE OF THE EXIT TO
 THE CENTER LINE OF THE REAR
 LOCKING PIN. IF LOCKING PIN
 WILL NOT ENGAGE AT MINIMUM
 DISTANCE, SEAT MUST BE MOVED
 AWAY FROM EXIT TO NEXT
 INDEX POINT.

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TYPE III EMERGENCY EXIT



NOTES:

1. LOCK OUTBOARD BACK REST TO PREVENT BACK REST FROM FOLDING FORWARD INTO EMERGENCY EXIT OPENING.
2. DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

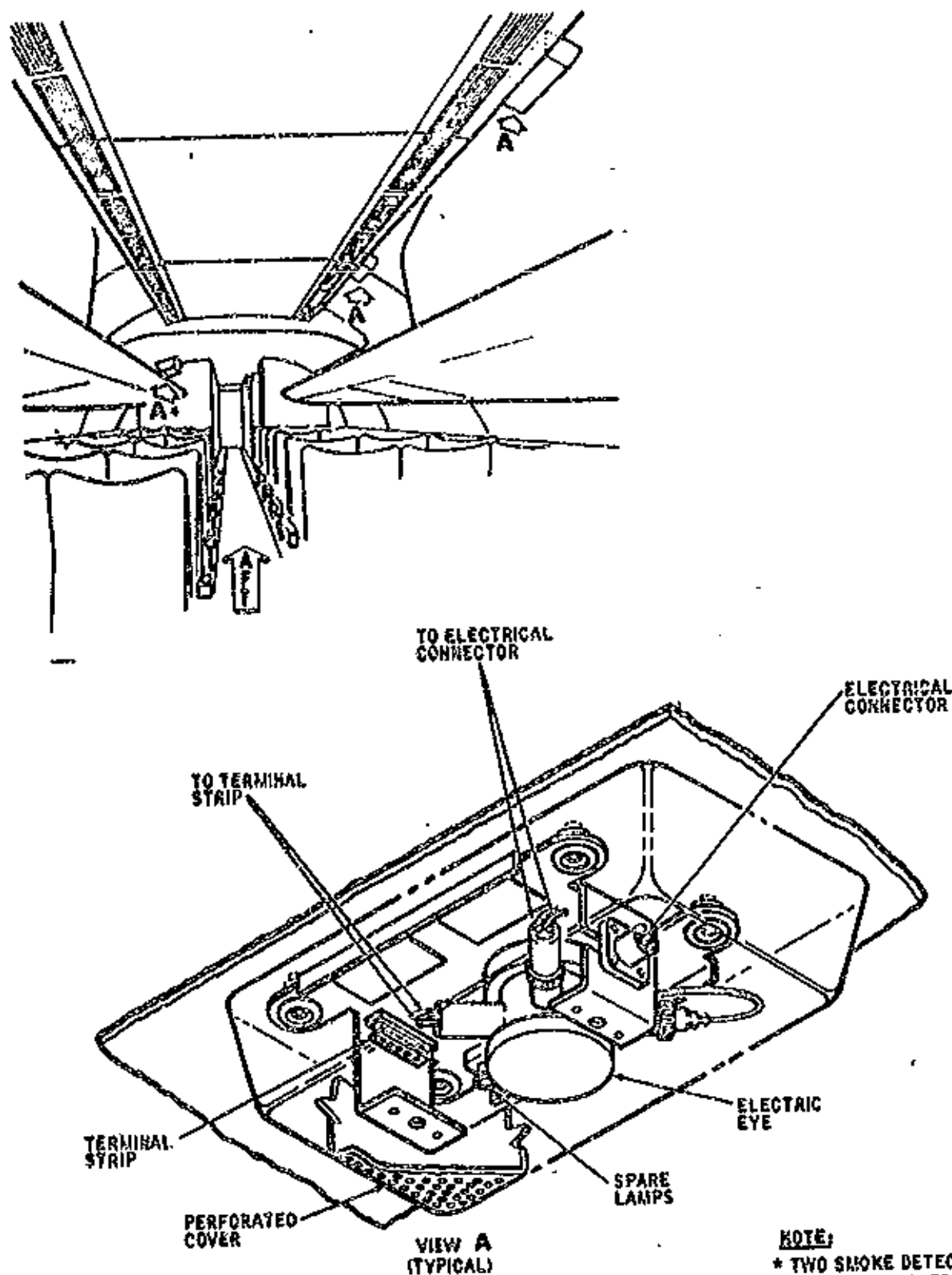
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Emergency Exits -- Seat Clearance
 Figure 202 (Sheet 2)

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NOTE:
 * TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

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- (b) Remove snap-out panels from door.
 - (c) Remove snap-on covers at floor and on cargo door jamb side panels forward and aft of cargo door.
 - (d) Remove cargo door actuating cylinder cover.
 - (e) Remove cover from forwardmost smoke detector unit above door (see Figure 203).
 - (f) Unlatch and open door.
- (5) Unload cabin equipment and position near forward lower cargo compartment.
- NOTE: Other equipment may be unloaded as it is removed. Place near the forward lower cargo compartment.
- (6) Remove portable oxygen cylinders from left and right stowage racks and stow in aft lavatories.
- (7) Fold down and secure overhead stowage racks in area where seats have been removed (see 25-25-0).
- NOTE: Remaining overhead stowage racks may be folded down as seats are removed.
- (8) Remove coatroom shelf, header, and ceiling liner from coatroom forward of galley No. 1.
- (9) Remove curtain between galleys No. 1 and 2 and stow in aft lavatory.
- (10) Remove ceiling panel and galley fairings covering water supply tanks.
- (11) Disconnect and remove galley No. 1.
- (12) Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure bag to one section.
- (13) Remove galley fairings, disconnect, and remove galley No. 2.
- (14) Remove forward water supply tanks (see Chapter 38).
- (15) Remove panel containing fire extinguishers and brackets from forward coatroom and stow in aft lavatories.
- (16) Disconnect and disassemble unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).
- (17) Disconnect and disassemble forward lavatory and remove inboard partition, if called for in cargo configuration (see 25-40-0).

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- (18) Stow toilet bowl assembly and washstand for forward crew lavatory in one of aft lavatories.
- (19) Install cargo loading system.
 - (a) Install cargo loading system hardware for pallet positions No. 1 and 2.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

D. Remove Cabin Equipment - Aft Section

- (1) Remove containers with evacuation slides from passenger entrance and galley service doors.
- (2) Remove aisle and galley curtains and stow in aft lavatory.
- (3) Disconnect and remove aft galleys.

NOTE: Disassemble galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to galley.
- (4) Remove fire extinguishers and brackets and stow in one of aft lavatories.
- (5) Remove first aid kit, oxygen masks, coatroom shelf, and curtain from coatroom and stow in aft lavatory.
- (6) Remove partition with attendants' seat.
- (7) Fold down seat backs, disconnect legs from seat track and remove seats.
- (8) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the forward lower cargo compartment.

- (9) Remove portable oxygen cylinders, with masks, from overhead stowage racks and stow in aft lavatory.
- (10) Fold down and secure overhead stowage racks (see 25-25-0).
- (11) Remove liferaft compartments with liferafts.
- (12) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering in aft galley area. Replace and tighten screws.
 - (b) Roll carpets, placing plastic seat track covers inside rolls, and tie each roll separately.

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E. Remove Cabin Equipment - Center Section

- (1) Remove evacuation slides and containers from Type I emergency exit doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seat.
- (3) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the aft lower cargo compartment.

- (4) Roll up carpets, placing plastic seat track covers inside rolls, and tie each roll separately.
- (5) Remove portable oxygen cylinders from left and right overhead stowage racks and stow in aft lavatory.
- (6) Fold down and secure overhead stowage racks (see 25-25-0).
- (7) Remove liferaft containers with liferafts from right and left overhead stowage racks.

F. Remove Cargo Loading System Hardware

- (1) Unload cargo equipment boxes from forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

- (2) After cargo loading system has been removed from boxes, install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.
- (3) Unload forward barrier net and crew galley if applicable. Place near forward upper cargo door.
- (4) Unload cargo partition sections and hardware.

G. Install Crew Protection and Convenience Equipment

- (1) Install courier seat and supplemental seat, if called for in cargo configuration (see 25-11-4 and 25-11-5).
- (2) Install crew galley and horizontal beam.
- (3) Install barrier net.
- (4) Install carry-on toilet, if called for in cargo configuration.

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H. Load Cargo Loading System Equipment Boxes and Cabin Equipment (Forward Lower Cargo Compartment)

- (1) Place cargo equipment boxes in forward lower cargo compartment.
- (2) Stow cabin equipment in lower cargo compartments.

I. Prepare for Cabin Conversion (Cargo to Passenger)

- (1) Open upper cargo door and galley service doors.
- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be utilized for loading of seats and small equipment.

- (3) Recommended stations, work crews, and task assignment (see paragraph 4B).

J. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

K. Remove Crew Protection and Convenience Equipment

- (1) Remove barrier net.
- (2) Remove crew galley and horizontal beam.
- (3) Remove courier seat and supplemental seat, if applicable (see 25-11-4 and 25-11-5).
- (4) Remove carry-on toilet, if applicable.

L. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect hardware for damage or wear.
 - (b) Pack in cargo equipment boxes.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

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M. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

N. Install Cabin Equipment - Aft Section

- (1) Install floor covering (see 25-27-0).
 - (a) Remove screws for installation of thresholds and cover strips.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels with double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.
- (2) Install aft galleys.
- (3) Install partition with attendant's seat.
- (4) Install aft coatroom shelf and curtain.
- (5) Raise and connect overhead stowage racks (see 25-25-0).
- (6) Install carpets, using double-face tape to secure carpet in place.
- (7) Install aisle and galley curtains.
- (8) Install passenger seats (see 25-23-1).

NOTE: Begin to install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

- (9) Install track cover in seat tracks between seats.

O. Install Cabin Equipment - Center Section

- (1) Install carpets, using double-face tape to secure carpet in place.
- (2) Raise and connect overhead stowage racks (see 25-25-0).

P. Install Cabin Equipment - Forward Section

- (1) Install crew lavatory, if applicable.
- (2) Assemble and install unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).

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(3) Install floor covering (see 25-27-0).

- (a) Remove screws for installation of thresholds and cover strips in flight compartment entrance and galley areas.
- (b) Seal area to be covered with mylar.
- (c) Attach fiberglass panels to mylar, using double-face tape.
- (d) Attach floor covering to fiberglass panels with double-face tape.
- (e) Install thresholds and cover strips. Replace and tighten screws.

(4) Install forward water supply tanks (see Chapter 38).

(5) Install galley No. 1, coatroom shelf, header, ceiling liner, and galley fairings (see 25-30-0).

(6) Install galley No. 2 and galley fairings.

(7) Install ceiling panel under water supply tanks (see 25-28-0).

(8) Raise and connect overhead storage racks (see 25-25-0).

(9) Close and secure upper cargo door (see 52-36-0).

- (a) Install liners and snap-out panels.

(10) Install carpets, using double-face tape to secure carpet in place.

(11) Install remaining seats (see 25-23-1).

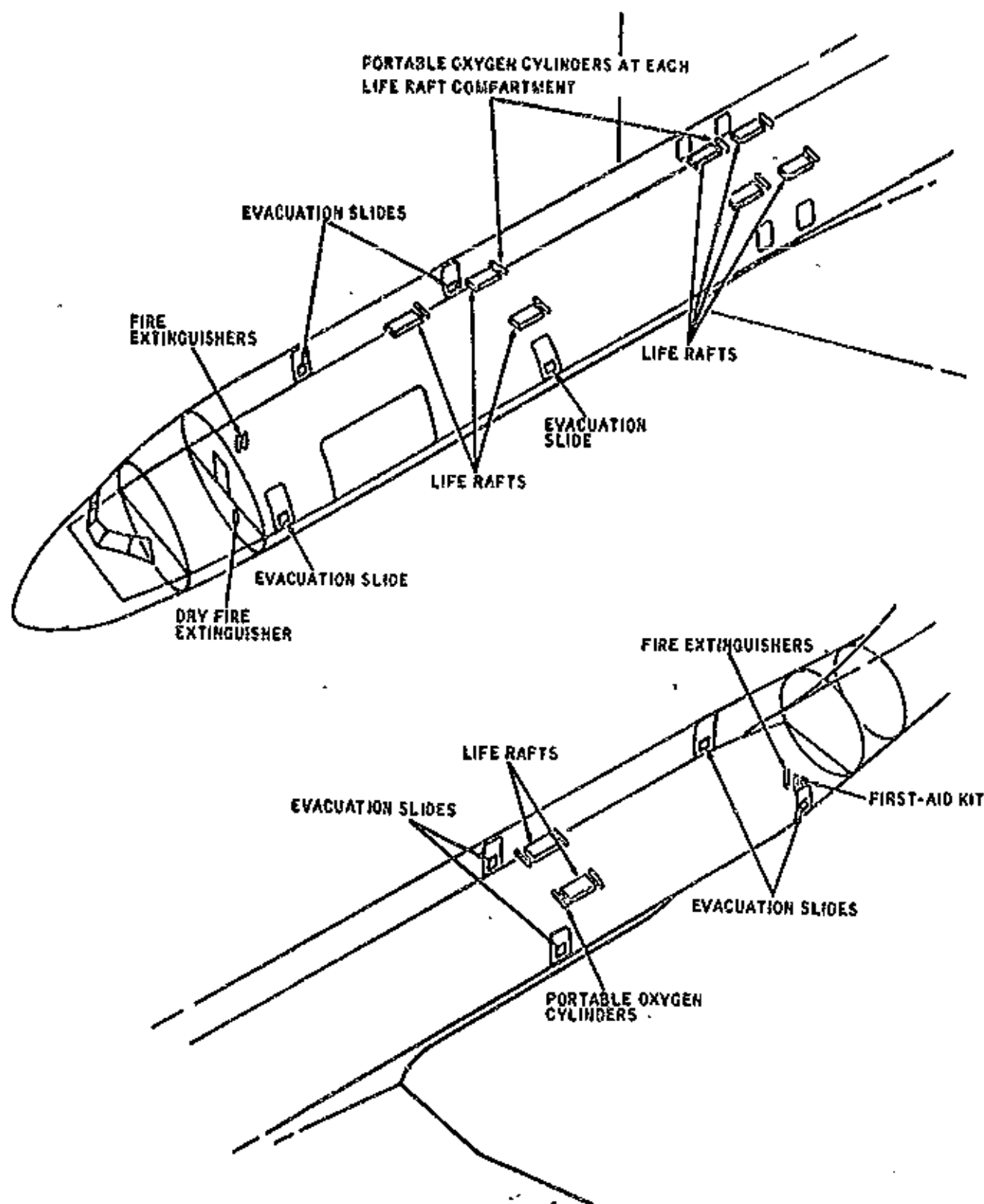
(12) Install seat track cover in seat tracks between seats.

(13) Install coatroom and aisle curtains.

Q. Install Emergency Equipment (see Figure 201)

- (1) Install evacuation slides on forward and aft passenger entrance and galley service doors.
- (2) Install evacuation slides at Type I emergency exit doors.
- (3) Install liferaft compartments.
- (4) Install first aid kit in aft coatroom.
- (5) Install fire extinguishers (CO₂ and H₂O) in aft coatroom.

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Emergency Equipment
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- (6) Install portable oxygen cylinders and masks adjacent to liferaft compartments.
- (7) Install panel containing fire extinguishers (H_2O and CO_2) in forward control room.
- (8) Check to ensure that all emergency equipment is in place.

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried on the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from zero to fourteen pallets. If bulk cargo is being carried, an aisle is provided along the left side by an aisle net and stanchions.
- B. Two Type 1 (Jetescape) emergency exits are located at floor level. In many cargo/passenger configurations activation of these exits is required.
- C. In the all cargo configuration the toilet vent must be closed.
- D. All but two smoke detector units are located to the left of the airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- E. Provisions for liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides on entrance, service, and Type 1 exit doors.
 - (2) Double attendant's seats.
 - (3) Aft galley units.
 - (4) First aid kit and oxygen masks in forward and aft coatroom.
 - (5) Fire extinguishers (CO₂ and H₂O) in aft coatroom.
 - (6) Portable oxygen cylinders (with masks) in overhead stowage racks.
 - (7) Type 1 emergency exits not usable.
 - (8) Type 1 emergency exits usable; for seat clearance see Figure 202.
 - (9) Oxygen masks in overhead stowage racks.
 - (10) Type III emergency exits usable; for seat clearance see Figure 202.

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- (11) Fire extinguishers (CO₂ and H₂O) in forward coatroom.
- (12) Forward cargo barrier net and crew galley. (See Figure 201.) Fire extinguisher, dry, with applicator, aft of radio rack. Provisions for liferaft on floor near observer's station.
- (13) Movable passenger/cargo divider partition (cargo/passenger configurations only).
- (14) Universal Pallet cargo loading system.
- (15) Liferafts in removable containers.
- (16) Galley unit No. 1.
- (17) Galley unit No. 2.
- (18) Smoke detector units (see Figures 201 and 203).
- (19) Close toilet vent outlet, located on outer skin outboard of forward aft lavatory, by rotating cover plate 180 degrees.
- (20) Plug-in utility trays with adapters required for each seat without another seat forward.

3. General Requirements for Conversion and Stowage of Cabin Equipment

- A. The cabin can provide seats for 162 passengers, or it has room for 14 pallets or several combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing a 14 pallet loading system (excluding pallets) stowed in the lower cargo compartments.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

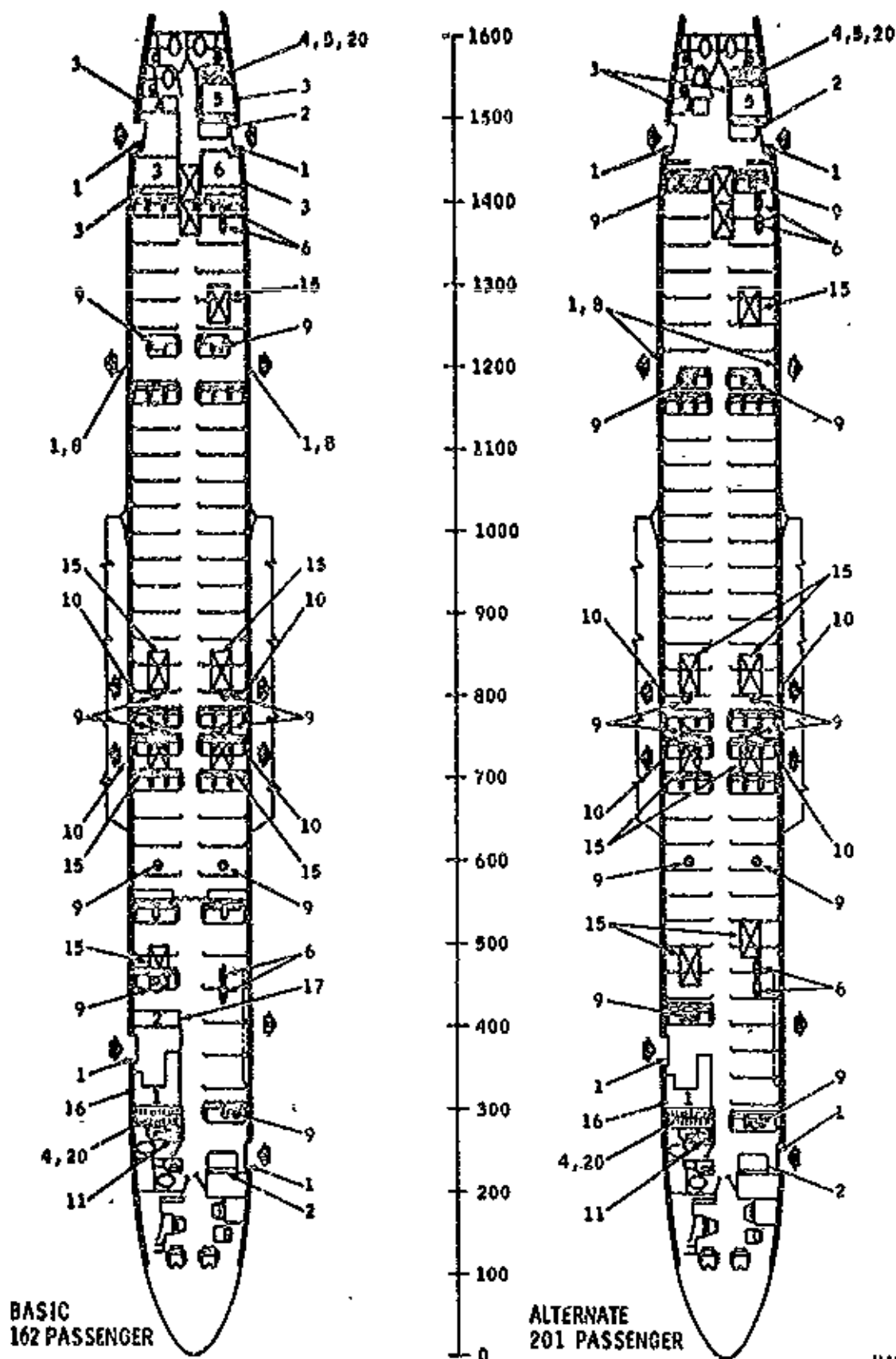
NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

4. Conversion and Stowage of Cabin Equipment

A. Recommended Stations, Work Crews and Assigned Tasks

- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.

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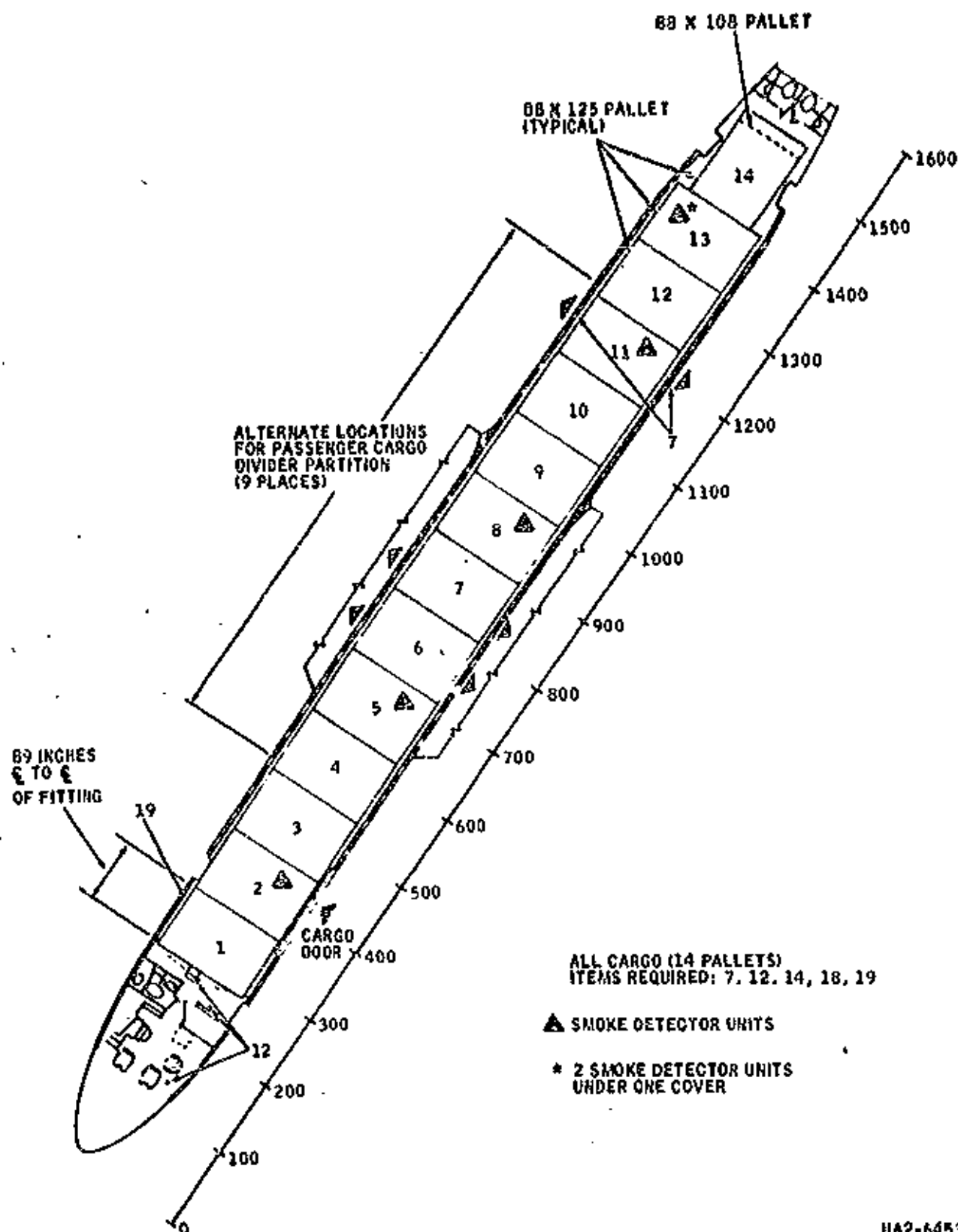


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Cargo/Passenger Conversion
 Figure 201 (Sheet 1)

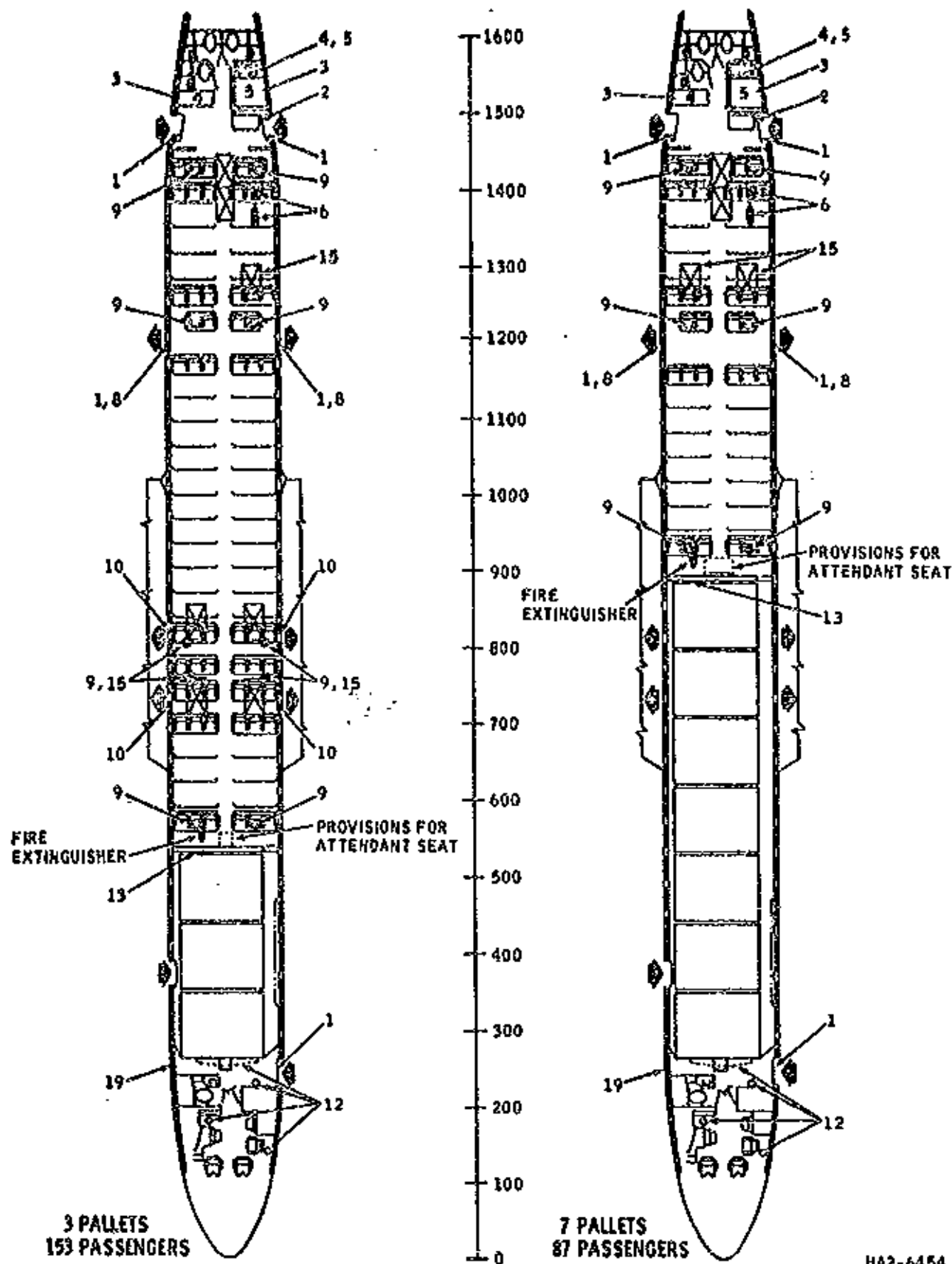
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Cargo/Passenger Conversion
 Figure 201 (Sheet 3)

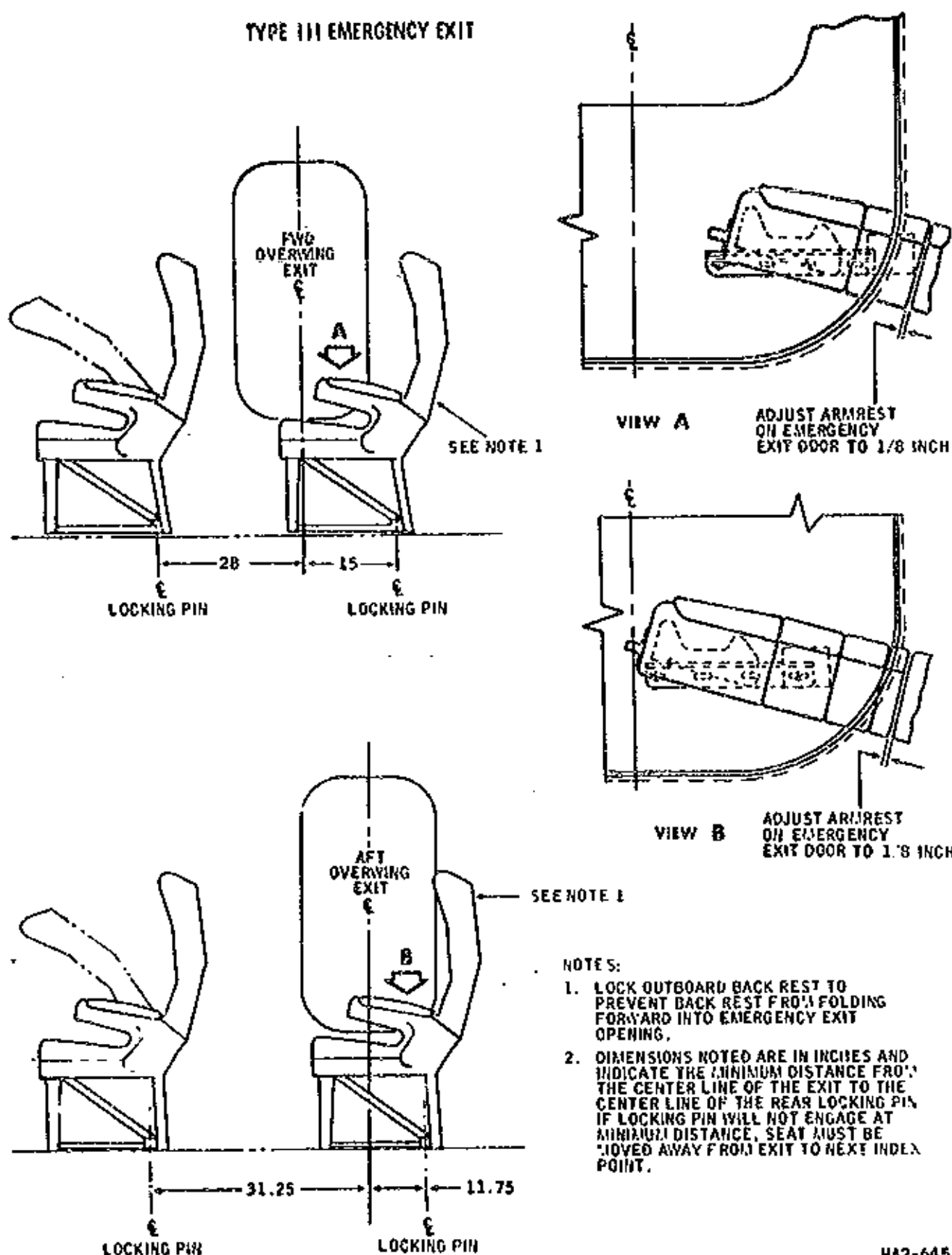
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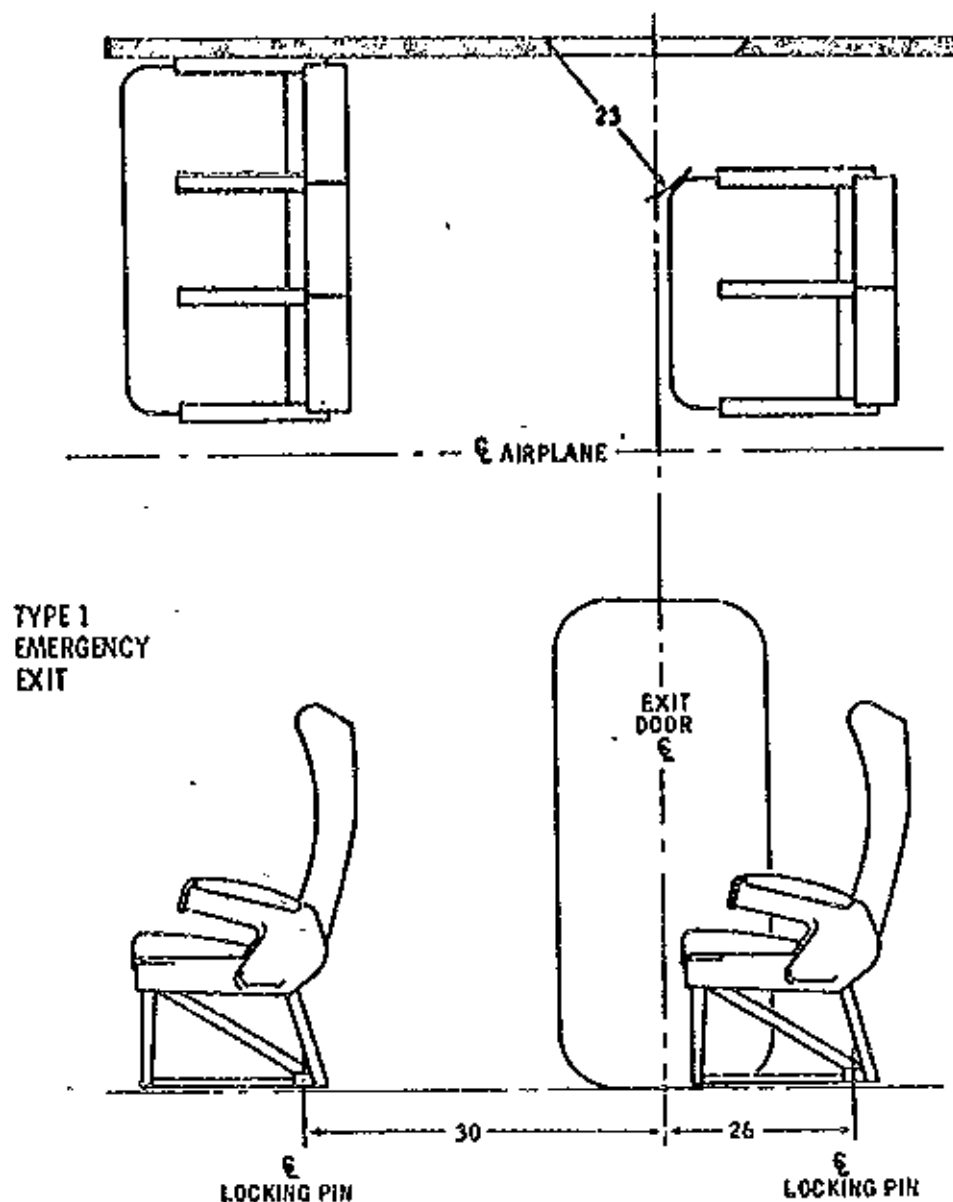
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TYPE III EMERGENCY EXIT



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NOTE:

DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

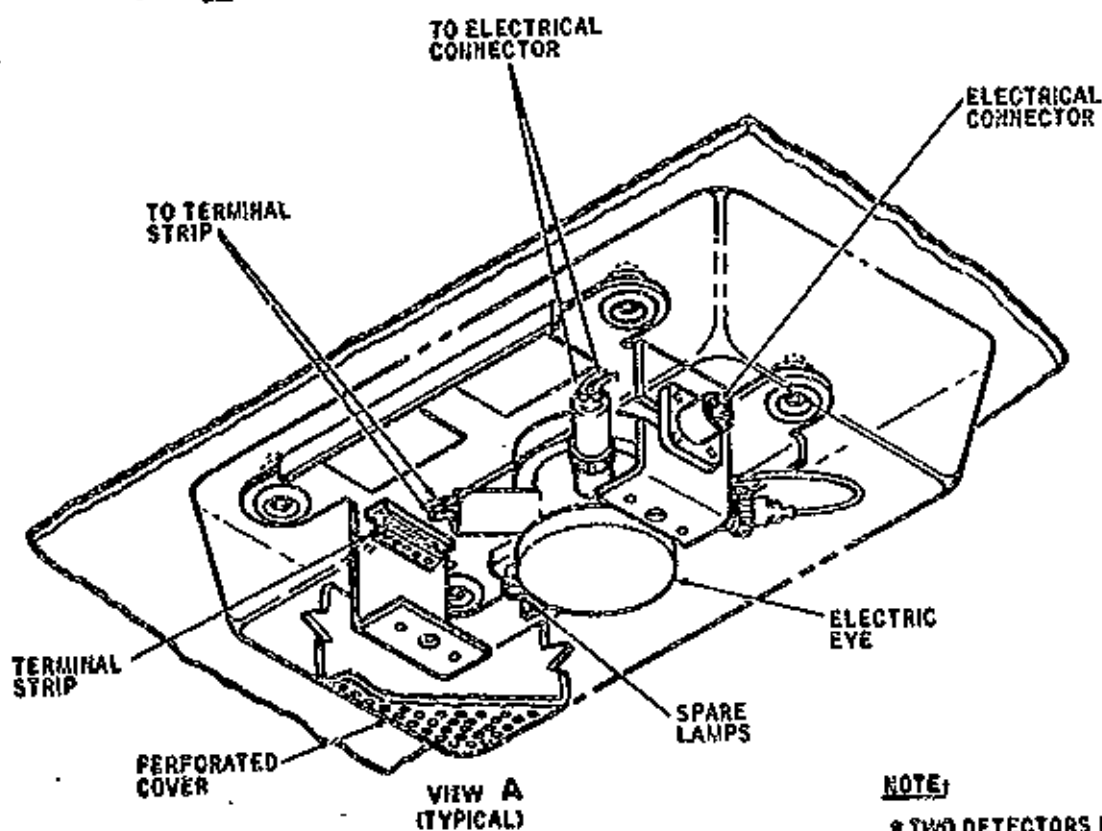
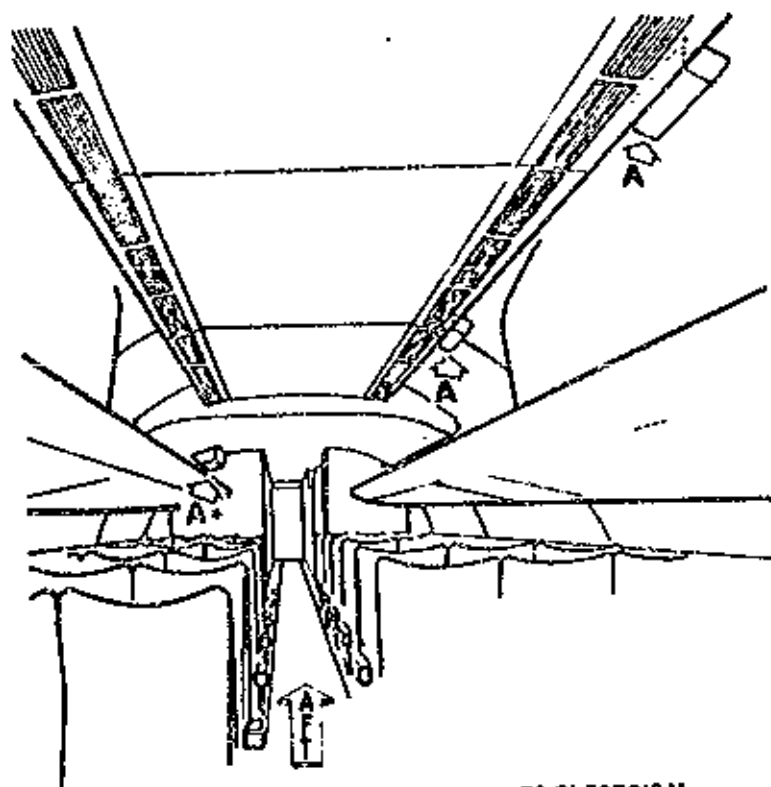
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Emergency Exits -- Seat Clearance
 Figure 202 (Sheet 2)

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NOTE:

* TWO DETECTORS UNDER
 ONE COVER (1 PLACE ONLY)

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- (3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

B. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.
- (2) Position one fork lift or pallet loader at each galley service door.

NOTE: The fork lifts or pallet loaders used must have a vertical lift of 11 feet. If fork lifts are used, a 7 X 10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.

C. Remove Cabin Equipment - Forward Section

- (1) Remove evacuation slides and slide containers from passenger entrance and galley service doors.
- (2) Fold down seat backs, disconnect seat from seat track, and remove seat.
- (3) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing plastic seat track covers inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in area of forward galleys. Replace and tighten screws.
- (4) Remove portable oxygen cylinders from overhead stowage racks and stow in aft lavatory.
- (5) Fold down and secure overhead stowage racks in area where seats have been removed (see 25-25-0).

NOTE: Remaining overhead stowage racks may be folded down as seats are removed.
- (6) Remove cover from forward smoke detector unit located above upper cargo door (see Figure 203).
- (7) Remove liferaft container with liferaft.
- (8) Convert upper cargo door (see Chapter 52).
 - (a) Remove liners from bottom of door.

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- (b) Remove snap-out panels from door.
- (c) Remove door actuating mechanism cover.
- (d) Unlatch and open door.
- (e) Remove cover from smoke detector unit over cargo door.
- (9) Remove partition located forward of upper cargo door.
- (10) Unload cabin equipment and place near forward lower cargo compartment.
NOTE: Other equipment may be unloaded as it is removed. Place the equipment near the forward lower cargo compartment.
- (11) Remove food trays, coatroom shelf, header, and ceiling liner from coatroom forward of galley No. 1.
- (12) Remove curtain between galleys No. 1 and 2 and stow in aft lavatory.
- (13) Remove ceiling panel between galleys No. 1 and No. 2 and galley fairings.
- (14) Disconnect and remove galley No. 1 (see 25-30-0).
- (15) Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure to one section.
- (16) Disconnect and remove galley No. 2 (see 25-30-0).
- (17) Install sidewall and ceiling cover panel to fill openings (see 25-28-0).
- (18) Remove covers to cargo net fittings.
- (19) Remove covers at lower edge of cargo door jamb to clear cargo loading system hardware.
- (20) Remove panel containing fire extinguishers and brackets from forward coatroom and stow in aft lavatory.
- (21) Disconnect and disassemble unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).
- (22) Install cargo loading system.
 - (a) Install cargo loading system hardware for pallet positions No. 1, No. 2, and No. 3.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

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D. Remove Cabin Equipment - Aft Section

- (1) Remove containers, with evacuation slides, from passenger entrance and galley service doors.
- (2) Remove aisle and galley curtains and stow in aft lavatory.
- (3) Remove fire extinguishers and brackets from aft coatroom and stow in aft lavatory.
- (4) Remove first aid kit, oxygen masks, coatroom shelf, food trays, and curtain from coatroom, and stow in aft lavatory.
- (5) Remove partition, with attendants' seat, located forward of galley No. 5.
- (6) Disconnect and remove aft galleys (see 25-30-0).

NOTE: Disassemble galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to one section.

- (7) Remove forward aft lavatory (see 25-40-0).

NOTE: If an 88- x 108-inch pallet is used in pallet position 14, the forward aft lavatory need not be removed. If an 88- x 125-inch pallet is used, remove the forward aft lavatory on the right side.

- (8) Fold down seat backs, disconnect seat from seat track, and remove seat.
- (9) Remove sidepanel snap-on covers in area of pallet No. 13 for pallet clearance.
- (10) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the forward lower cargo compartment.

- (11) Remove portable oxygen cylinders, with masks, from overhead stowage racks and stow in aft lavatory.
- (12) Fold down and secure overhead stowage racks (see 25-25-0).
- (13) Remove liferaft container with liferaft.
- (14) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering in aft galley area. Replace and tighten screws.
 - (b) Roll up carpets, placing plastic seat track covers inside rolls, and tie each roll separately.

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E. Remove Cabin Equipment - Center Section

- (1) Remove evacuation slides and containers from Type 1 (Jetescape) emergency exit doors.
- (2) Fold down seat backs, disconnect seat from seat track, and remove seat.
- (3) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the aft lower cargo compartment.

- (4) Remove movable divider partition (see 25-24-0). Stow curtain in aft lavatory.
- (5) Remove oxygen masks from overhead stowage racks and stow in aft lavatory.
- (6) Fold down and secure overhead stowage racks (see 25-25-0).
- (7) Roll up carpets, placing plastic seat track covers inside rolls, and tie each roll separately.
- (8) Remove liferaft containers with liferafts.

F. Remove Cargo Loading System Hardware

- (1) Unload cargo equipment boxes from forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

- (2) After cargo loading system has been removed from boxes, install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.
- (3) Unload forward barrier net and crew galley if applicable. Place near forward upper cargo door.
- (4) Unload cargo partition sections and hardware.

G. Install Crew Protection and Convenience Equipment

- (1) Install crew galley and horizontal beam.
- (2) Install barrier net.

H. Load Cargo Loading System Equipment Boxes and Cabin Equipment

- (1) Place cargo equipment boxes in forward lower cargo compartment.
- (2) Stow cabin equipment in lower cargo compartments.

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I. Prepare for Cabin Conversion (Cargo to Passenger)

- (1) Open upper cargo door and galley service doors.
- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7 x 10 foot pallet should be utilized for loading of seats and small equipment.

- (3) Recommended stations, work crews, and task assignments (see Paragraph 4A).

J. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

K. Remove Crew Protection and Convenience Equipment

- (1) Remove barrier net.
- (2) Remove crew galley and horizontal beam.

L. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect for damage or wear.
 - (b) Pack in cargo equipment boxes.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

M. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

N. Install Cabin Equipment - Aft Section

- (1) Install floor covering (see 25-27-0).
 - (a) Remove screws for installation of thresholds and cover strips.

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- (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels using double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.
- (2) Install forward aft lavatory if lavatory was removed to accommodate 88- x 125-inch pallet (see 25-40-0).
 - (3) Assemble and install aft galleys (see 25-30-0).
 - (4) Install partition, with attendants' seat, forward of galley No. 5.
 - (5) Install aft coatroom shelf and curtain.
 - (6) Install liferaft at location shown in Figure 201.
 - (7) Raise and secure overhead stowage racks (see 25-25-0).
 - (8) Install carpets, using double-face tape to secure carpet in place.
 - (9) Install aisle and galley curtains.
 - (10) Stow food trays in aft coatroom.
 - (11) Install passenger seats (see 25-23-1).

NOTE: Install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

- (12) Install track covers in seat tracks between seats.

O. Install Cabin Equipment - Center Section

- (1) Install carpets, using double-face tape to secure carpet in place.
- (2) Install liferafts at locations shown in Figure 201.
- (3) Raise and secure overhead stowage racks (see 25-25-0).
- (4) Install movable divider partition and curtain (see Figure 201).

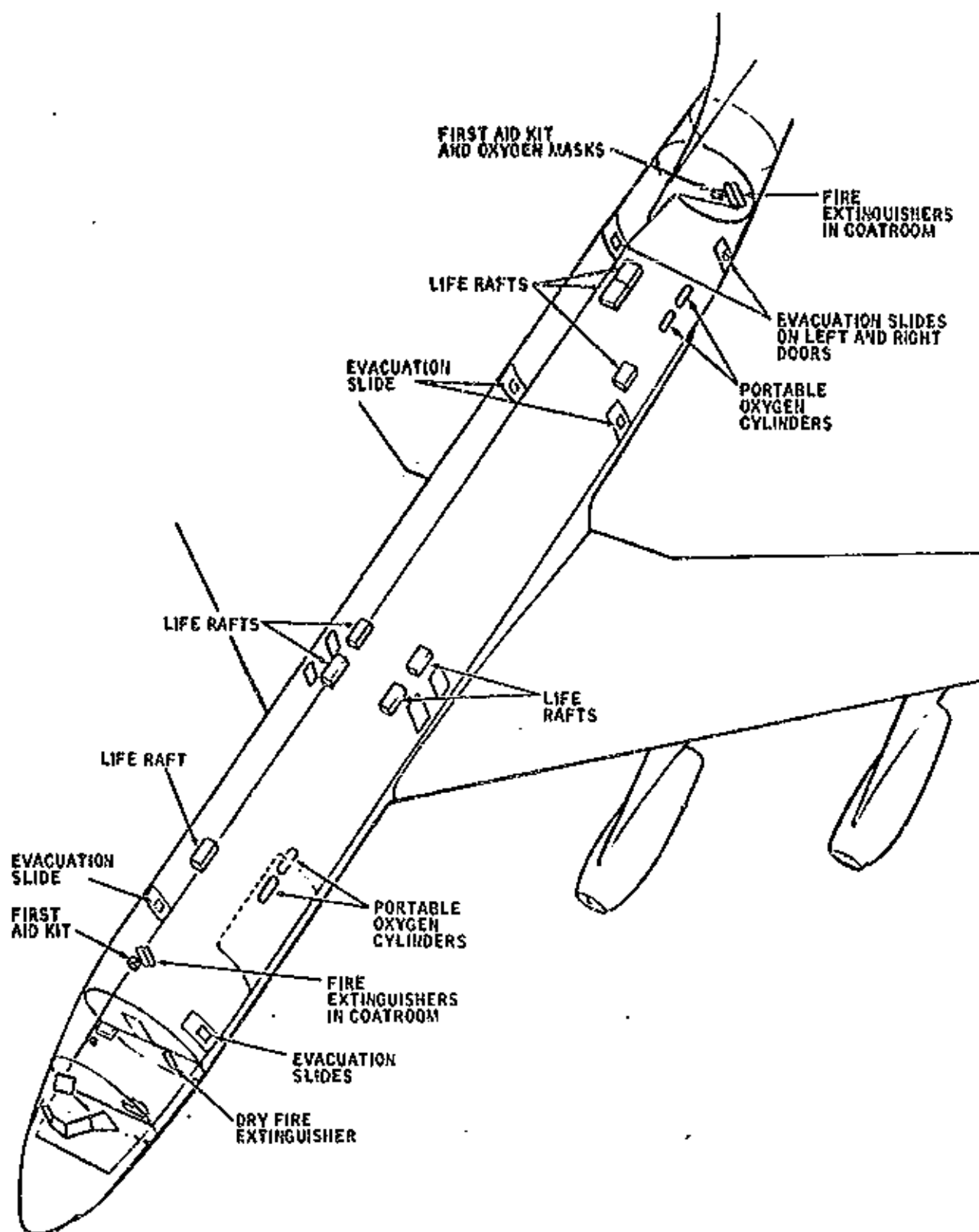
P. Install Cabin Equipment - Forward Section

- (1) Assemble and install unitized lavatory and coatroom located forward of galley No. 1 (see 25-41-0).

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- (2) Install floor coverings in doorway and galley areas (see 25-27-0).
 - (a) Remove screws for installation of thresholds and cover strips in flight compartment entrance and galley areas.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels, using double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.
 - (3) Remove sidewall to ceiling cover panels.
 - (4) Install galley No. 1 (see 25-30-0).
 - (5) Install coatroom shelf, header, ceiling liner, and galley fairings.
 - (6) Install galley No. 2 and galley fairings.
 - (7) Install ceiling panel between galleys No. 1 and No. 2 (see 25-28-0).
 - (8) Install cover over smoke detector unit located above upper cargo door.
 - (9) Install liferaft at location shown in Figure 201.
 - (10) Raise and secure overhead stowage racks (see 25-25-0).
 - (11) Install partition located forward of upper cargo door.
 - (12) Close and secure upper cargo door (see Chapter 52).
 - (a) Install liners and snap-out panels.
 - (13) Install carpets, using double-face tape to secure carpet in place.
 - (14) Install remaining seats (see 25-23-1).
 - (15) Install seat track covers in seat tracks between seats.
 - (16) Install coatroom and aisle curtains.
 - (17) Stow food trays in forward coatroom.
- Q. Install Emergency Equipment (See Figure 201 and 204)
- (1) Install evacuation slides on forward and aft passenger entrance and galley service doors.

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- (2) Install evacuation slides at Type 1 emergency exit doors.
- (3) Install first aid kit in forward and aft coatroom.
- (4) Install fire extinguishers (CO₂ and H₂O) in aft coatroom.
- (5) Install portable oxygen cylinders and masks in overhead stowage racks.
- (6) Install panel containing fire extinguishers (CO₂ and H₂O) in forward coatroom.
- (7) Check to ensure that all emergency equipment is properly installed.

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried on the airplane. Interior arrangements allow for from zero to fourteen pallets.
- B. Two Type I (Jetescape) emergency exits are located at floor level. In many cargo/passenger configurations activation of these exits is required.
- C. In the all cargo configuration the toilet vent must be closed.
- D. All but two smoke detector units are located to the left of airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- E. Provisions for liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides on entrance, galley service, and Type I emergency exit doors.
 - (2) Aft double attendants seat.
 - (3) Aft galley units.
 - (4) First aid kit in mid fuselage overhead stowage rack.
 - (5) Fire extinguishers (H_2O) in aft coatroom.
 - (6) Portable oxygen cylinders in lavatory and flight compartment.
 - (7) Type I and Type III emergency exits not useable.
 - (8) Type I and Type III emergency exits useable.
 - (9) Smoke barrier.
 - (10) Universal pallet cargo loading system.
 - (11) Fire extinguishers (H_2O and CO_2) in flight compartment.

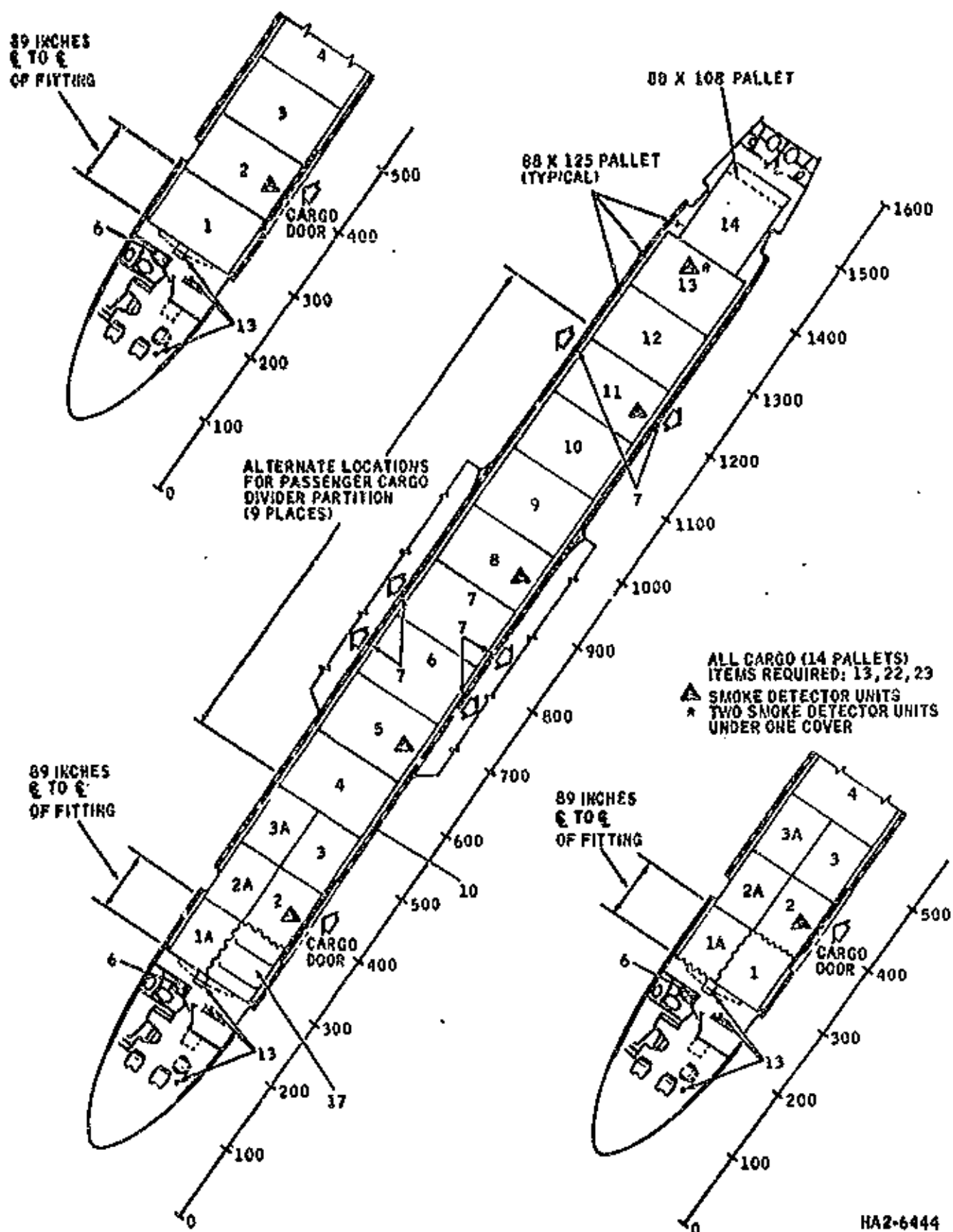
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- (12) Double attendant seat, forward.
- (13) Forward cargo barrier net and crew galley (see Figure 201). Fire extinguisher, dry, with applicator, aft of the radio rack. Provisions for a liferaft on the floor near the observer's position and a liferaft on the floor forward of the EPC.
- (14) Movable cargo/passenger divider partition (cargo/passenger configurations only).
- (15) Miscellaneous stowage compartment.
- (16) Liferafts in removable compartments.
- (17) Cargo attendants seats.
- (18) Galley unit No. 1.
- (19) Forward galley area ceiling panel and water system storage tanks.
- (20) Galley unit No. 2.
- (21) Magazine racks on aft face of galley No. 2 and on forward face of galleys No. 3 and No. 6.
- (22) Smoke detector units (see Figures 201 and 203).
- (23) Close toilet vent outlet, located on outer skin outboard of forward aft lavatory, by rotating cover plate 180 degrees.
- (24) Plug-in utility trays with adapters required for each seat without another seat forward.

3. General Requirements for Conversion and Stowage of Cabin Equipment

- A. The cabin can provide seats for 179 passengers, or it has room for 14 pallets, or several combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, equipment bags, and cargo equipment boxes (or suitable containers) containing a 14-pallet loading system (excluding pallets) stowed in the lower cargo compartments.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo/passenger divider partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

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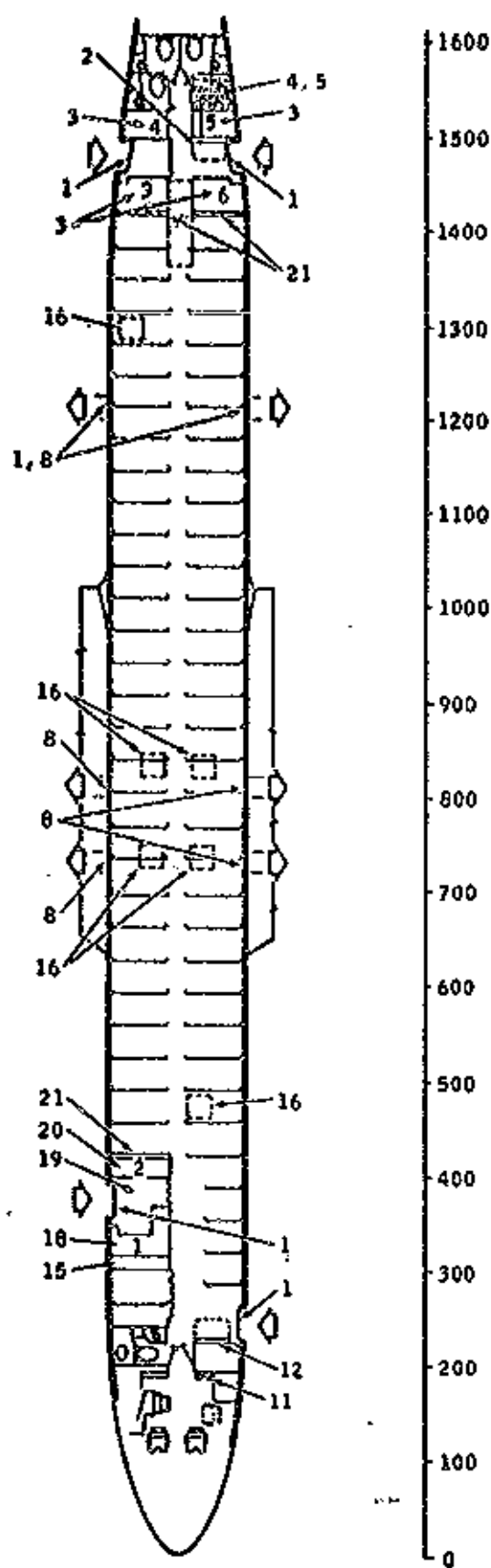
Cargo/Passenger Conversion
 Figure 201 (Sheet 1)

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Cargo/Passenger Conversion
 Figure 201 (Sheet 2)

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NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

4. Conversion and Stowage of Cabin Equipment

A. Recommended Stations, Work Crews, and Assigned Tasks

- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft section of airplane.
- (3) Crew No. 3 (3 men) to remove and load equipment in forward lower cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft lower cargo compartment.

NOTE: For maximum efficiency, crews No. 1 and 2 should work simultaneously and independently of crews No. 3 and 4.

B. Prepare for Cabin Conversion (Cargo to Passenger)

- (1) Open upper cargo door and galley service doors.
- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7 x 10 foot pallet should be utilized for loading of seats and small equipment.

- (3) Recommended stations, work crews, and task assignments (see paragraph 4A).

C. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

D. Remove Crew Protection and Convenience Equipment

- (1) Remove barrier net.
- (2) Remove crew galley and horizontal beam.

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E. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect hardware for damage or wear.
 - (b) Pack hardware in cargo equipment boxes.

F. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

G. Install Cabin Equipment - Aft Section

- (1) Install floor covering.
 - (a) Remove screws for installation of thresholds and cover strips in flight compartment entrance and galley areas.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels with double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.
- (2) Install aft lavatories if lavatories were removed (see 25-40-0).
- (3) Assemble and install aft galleys (see 25-30-0).
- (4) Install aft coatroom shelves and curtain.
- (5) Install magazine racks on forward face of galleys No. 3 and No. 6.
- (6) Raise and secure overhead stowage racks in aft section (see 25-25-0).
- (7) Install carpets, using double-face tape on edges. Install retaining strips to cover carpet edges and seat tracks.
- (8) Install aisle and galley area curtains.
- (9) Install partition, with attendant seat, forward of galley No. 5.
- (10) Install passenger seats (see 25-23-1).

NOTE: Install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

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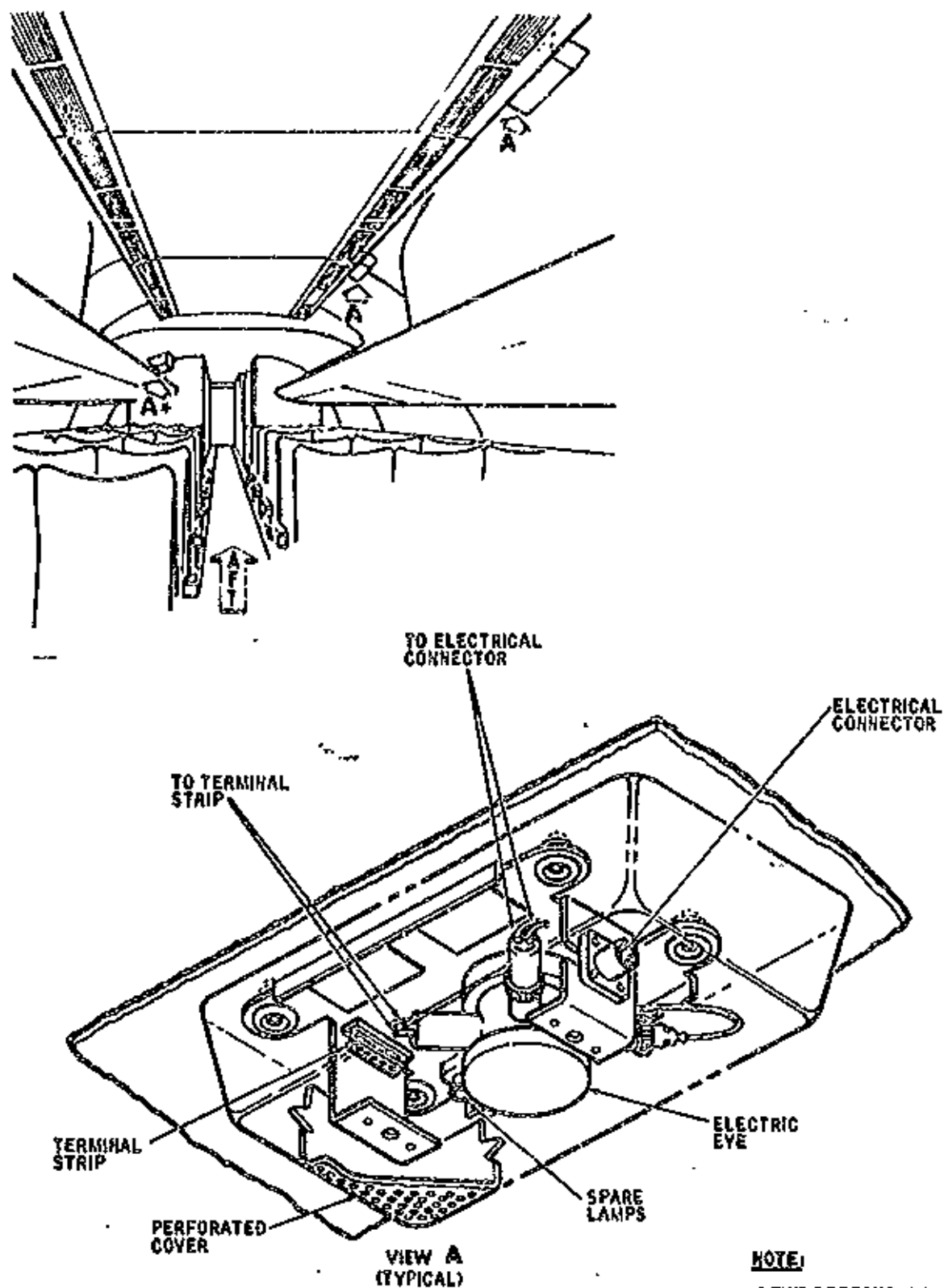
H. Install Cabin Equipment - Center Section

- (1) Install carpets, using double-face tape on edges. Install retaining strips to cover carpet edges and seat tracks.
- (2) Raise and secure overhead stowage racks (see 25-25-0).
- (3) Install movable divider partition and curtain if required.

I. Install Cabin Equipment - Forward Section

- (1) Install floor covering in doorway and galley areas.
 - (a) Remove screws for installation of thresholds and cover strips in flight compartment entrance and galley areas.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels with double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.
- (2) Install forward water supply tanks (see Chapter 38).
- (3) Install galley No. 2 (see 25-30-0).
- (4) Install galley No. 1 (see 25-30-0).
- (5) Install ceiling panel under water tanks and between galleys No. 1 and No. 2.
- (6) Install miscellaneous stowage compartment forward of galley No. 1.
- (7) Install magazine rack to aft face of galley No. 2.
- (8) Install attendant seat to aft face of radio rack.
- (9) Install carpets, using double-face tape on edges. Install retaining strips to cover carpet edges and seat track.
- (10) Install relief crew and galley areas curtains.
- (11) Install liferaft compartments at locations shown in Figure 201.
- (12) Raise and secure overhead stowage racks (see 25-25-0).
- (13) Install all seats aft of the upper cargo door (see 25-23-1).

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NOTE:

* TWO DETECTORS UNDER
 ONE COVER (1 PLACE ONLY)

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(14) Close and secure upper cargo door (see Chapter 52).

(a) Install liners and snap-out panels.

(15) Install remaining seats (see 25-23-1).

(16) Install cover on smoke detector unit in area of upper cargo door.

J. Install Emergency Equipment (see Figure 203)

- (1) Install evacuation slides on forward and aft passenger entrance and service doors.
- (2) Install evacuation slides on Type I emergency exit doors.
- (3) Install liferafts in liferaft compartments.
- (4) Install first aid kit in mid fuselage overhead stowage racks.
- (5) Install fire extinguishers (H₂O and CO₂) in aft cockpit.
- (6) Install fire extinguisher (CO₂) in miscellaneous stowage compartment.
- (7) Install portable oxygen cylinders and masks.
- (8) Check to ensure all emergency equipment is properly installed.

K. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.
- (2) Position two fork lifts or pallet loaders at each galley service door.

NOTE: The fork lifts or pallet loaders used must have a vertical lift of 11 feet. If fork lifts are used, a 7 x 10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.
- (4) Recommended stations, work crews, and task assignments (see paragraph 4A).

L. Remove Cabin Equipment - Forward Section

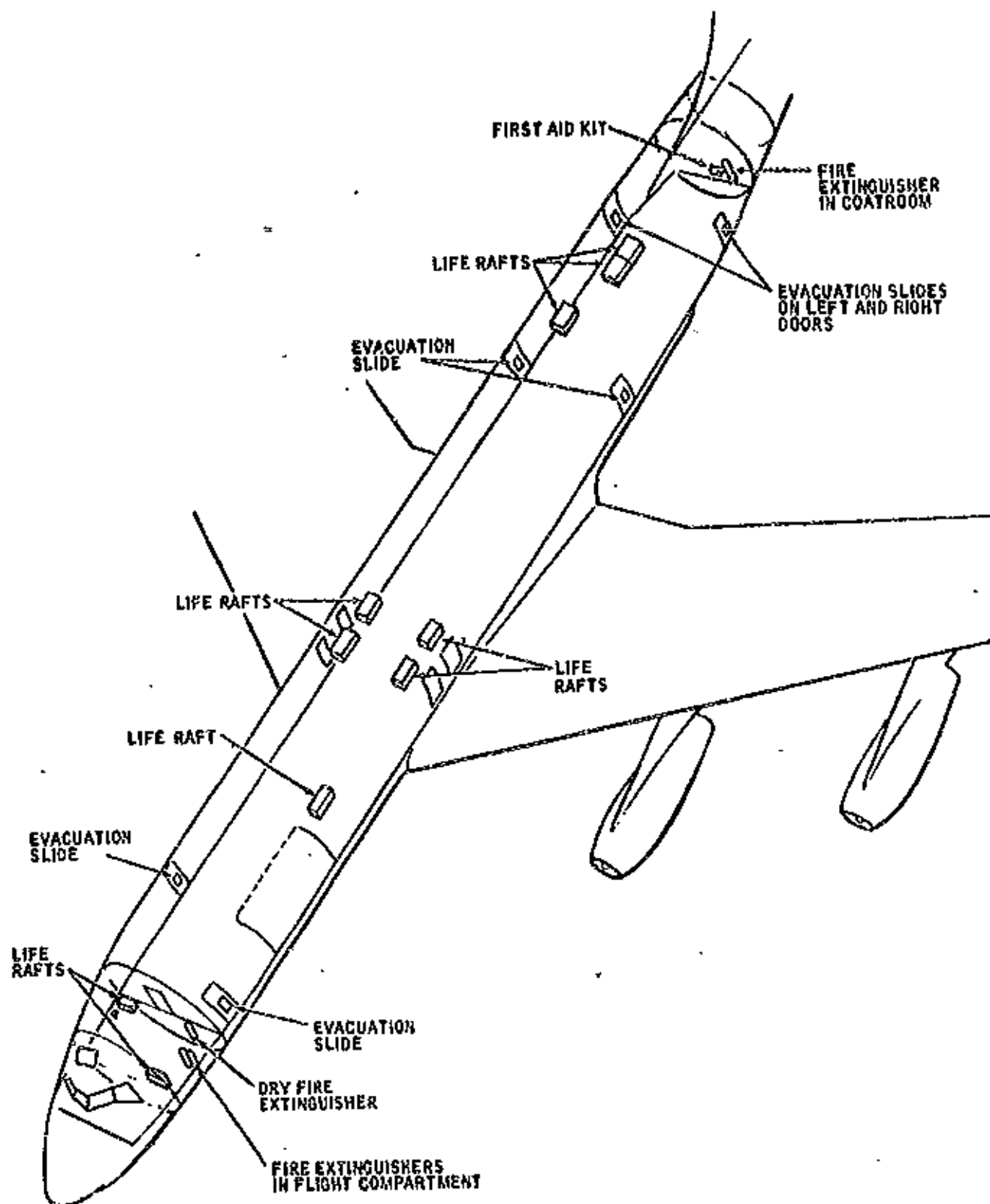
- (1) Convert upper cargo door (see Chapter 52).
 - (a) Remove liners from bottom of door.
 - (b) Remove snap-out panels from door.

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- (c) Remove door actuating mechanism cover.
- (d) Unlatch and open door.
- (e) Remove cover from smoke detector unit over cargo door.
- (2) Remove evacuation slides from passenger entrance and galley service doors.
- (3) Fold down seat backs, disconnect seat from heat track, and remove seat.
- (4) Remove floor covering in doorway and galley areas.
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in area of forward galleys. Replace and tighten screws.
- (5) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed. Place equipment near the forward lower cargo compartment.
- (6) Remove portable oxygen cylinders from stowage racks.
- (7) Fold down and secure overhead stowage racks (see 25-25-0).
- (8) Remove liferafts and liferaft compartments.
- (9) Remove relief crew and galley areas curtains.
- (10) Remove attendant seat from aft face of radio rack.
- (11) Remove magazine rack from aft face of galley No. 2.
- (12) Remove fire extinguisher (CO₂) from miscellaneous stowage compartment.
- (13) Remove miscellaneous stowage compartment from forward face of galley No. 1.
- (14) Remove ceiling panel between galleys No. 1 and No. 2.
- (15) Remove galley No. 1 (see 25-30-0).
- (16) Remove galley No. 2 (see 25-30-0).
- (17) Remove forward water supply tanks (see Chapter 38).

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Emergency Equipment
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- (18) Install sidewall and ceiling covers to fill openings.
- (19) Remove covers to cargo net fittings.
- (20) Remove covers at lower edge of cargo door jamb to clear cargo loading system hardware.
- (21) Install cargo loading system.
 - (a) Install cargo loading system hardware for pallet positions No. 1 and No. 2.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

M. Remove Cabin Equipment - Center Section

- (1) Remove evacuation slides and containers from Type I emergency exit doors, right and left sides.
- (2) Fold down seat backs, disconnect seat from seat track, and remove seat.
- (3) Unload cabin equipment and place near forward lower cargo compartment.
- (4) Remove movable divider partition and curtain (see 25-24-0).
- (5) Roll up carpets, placing retaining strips inside rolls, tie each roll separately, and remove carpet.
- (6) Remove oxygen masks from right and left stowage racks.
- (7) Fold down and secure overhead stowage racks (see 25-25-0).
- (8) Remove liferafts and liferaft compartments.

N. Remove Cabin Equipment - Aft Section

- (1) Remove evacuation slides and slide containers from passenger and galley service doors.
- (2) Remove aisle and galley area curtains.
- (3) Remove fire extinguishers and mounting brackets from aft coatroom.
- (4) Remove first aid kit, oxygen masks, coatroom shelf, and coatroom curtain.
- (5) Remove partition, with attendant seat, located forward of galley No. 5.
- (6) Remove magazine racks on forward face of galleys No. 3 and No. 6.

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(7) Remove aft lavatories if required (see 25-40-0).

(8) Disconnect and remove aft galleys (see 25-30-0).

NOTE: Disassemble galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to one section.

(9) Fold down seat backs, disconnect seat from seat track, and remove seat.

(10) Remove side panel snap-on covers in area of pallet No. 13 for pallet clearance.

(11) Unload cabin equipment and position near forward or aft lower cargo compartments.

NOTE: Other equipment may be unloaded as it is removed and placed near the lower cargo compartments.

(12) Roll up carpet, placing retainer strips inside rolls, tie roll separately, and remove carpet.

(13) Remove portable oxygen cylinders, with masks, from overhead stowage racks.

(14) Remove floor covering (see 25-27-0).

(a) Remove threshold, cover strips, and floor covering in aft galley area. Replace and tighten screws.

O. Remove Cargo Loading System Equipment Hardware

(1) Unload cargo equipment boxes from forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyer assemblies may be opened inside the cargo compartment and the assemblies removed separately.

(2) After cargo loading system has been removed from boxes install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.

(3) Unload forward barrier net and crew galley, if applicable. Place near forward upper cargo door.

(4) Unload cargo/passenger divider partition sections, with hardware, if applicable.

P. Install Crew Protection and Convenience Equipment

(1) Install crew galley and horizontal beam.

(2) Install barrier net.

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(3) Install smoke barrier.

Q. Load Cargo Loading System Equipment Boxes and Cabin Equipment

- (1) Place cargo equipment boxes in forward lower cargo compartment.
- (2) Stow cabin equipment in lower cargo compartments.

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CARGO/PASSENGER CONVERSION - MAINTENANCE PRACTICES

1. General

- A. The airplane may be operated in an all passenger or an all cargo configuration, or in several cargo/passenger combinations. All equipment necessary for conversion may be carried in the airplane, and is stowable out of the main cabin area. Interior arrangements allow for from 3 to 18 pallets.
- B. Four Type 1 (Jetescape) emergency exits are located at floor level. Under many cargo/passenger configurations activation of the Type 1 exits is required.
- C. In the all cargo configuration the toilet vents must be closed.
- D. All but two smoke detector units are located to the left of airplane centerline in the main cargo area. The two most aft detectors are located under one cover forward of the right forward aft lavatory on the right side. The cover of the forwardmost detector (over the large cargo door) must be removed to facilitate cargo loading and to prevent being damaged.
- E. Provisions for liferafts are located throughout the cabin area to allow for any cargo/passenger combination.

2. Cargo/Passenger Conversion - Items Required

- A. The following listed conversion items are referred to in the accompanying illustrations.
 - (1) Evacuation slides of aft entrance and service doors.
 - (2) Attendant's aft seats.
 - (3) Aft galley units.
 - (4) First aid kit in forward coatroom.
 - (5) Fire extinguishers (CO₂ and H₂O) in aft L.H. coatroom.
 - (6) Portable oxygen cylinders (with masks) and brackets, installed in overhead stowage racks.
 - (7) Type I and Type III emergency exits not usable.
 - (8) Type I emergency exits usable; for seat clearance see Figure 202. Evacuation slides at Type I exits.
 - (9) Oxygen masks in overhead stowage racks.

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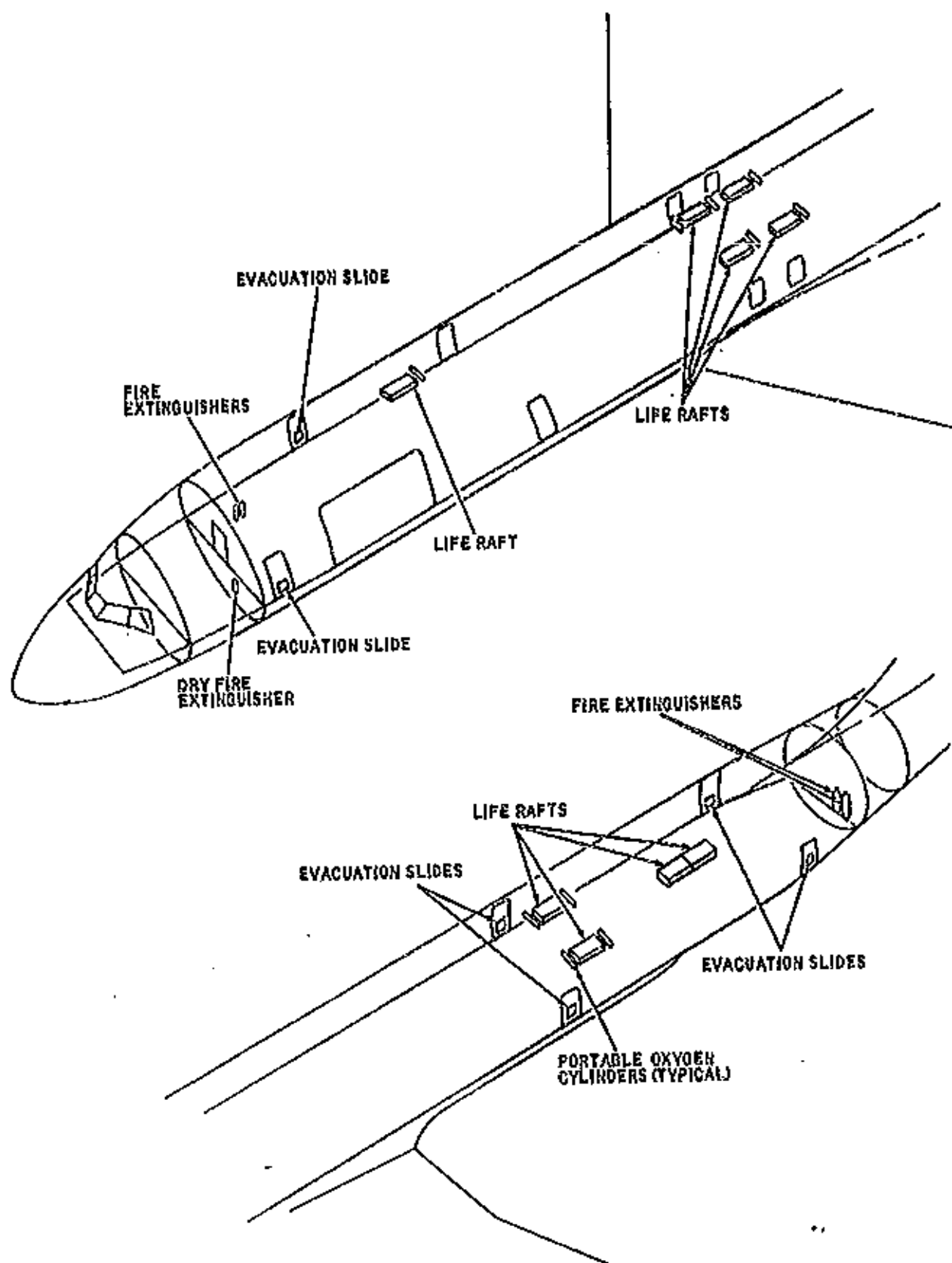
- (10) Type III emergency exits usable; for seat clearance see Figure 202.
- (11) Fire extinguishers (H_2O and CO_2) and oxygen masks in forward coatroom.
- (12) Attendant's forward seats.
- (13) Forward cargo barrier net and crew galley.
- (14) Movable cargo/passenger partition (cargo/passenger configurations only).
- (15) 25-man liferafts in removable compartments.
- (16) Galley unit No. 1.
- (17) Galley unit No. 2.
- (18) Forward galley area ceiling panel with oxygen masks for attendants.
- (19) Evacuation slides at forward entrance and service doors.
- (20) Smoke detector pickups (see Figure 203).
- (21) Close toilet vent outlet, located on outer skin outboard of forward aft lavatory, by rotating cover plate 180 degrees.
- (22) Plug-in utility trays with adapters required for each seat without another seat forward.

3. General Requirements for Conversion and Stowage of Cabin Equipment

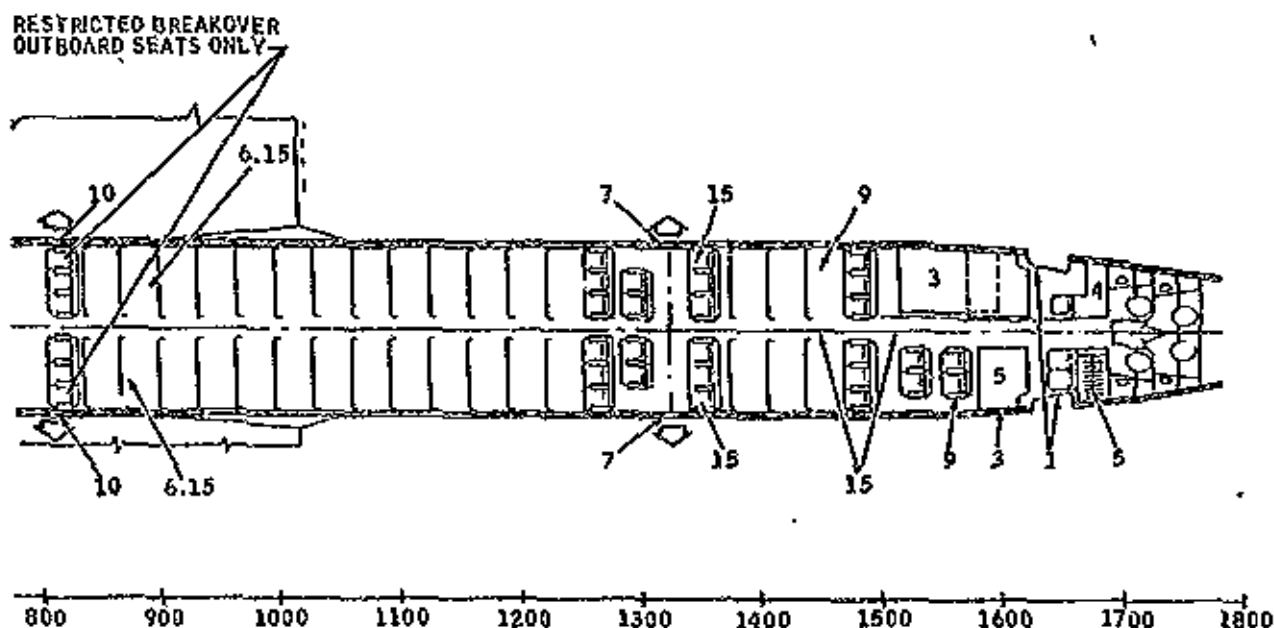
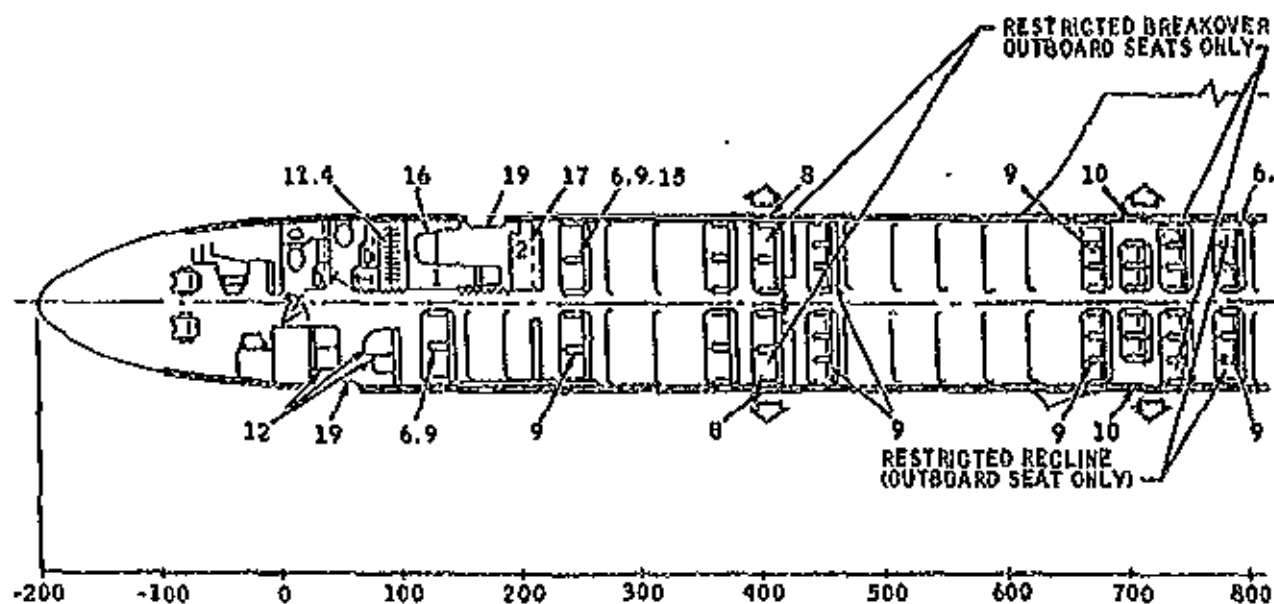
- A. The cabin can provide seats for up to 239 passengers, or it has room for 18 pallets or several combinations of passenger and cargo interiors.
- B. An all-passenger configuration may have the crew galley, barrier net, cargo partition, equipment bags, and cargo equipment boxes (or suitable containers) containing an 18-pallet loading system (excluding pallets) stowed in the lower cargo compartments.
- C. An all-cargo configuration may have the passenger seats, galleys, cargo partition, and all other passenger cabin equipment carried in the lower cargo compartments and aft lavatories.

NOTE: The equipment bags and equipment boxes referred to in the following steps are to be manufactured locally.

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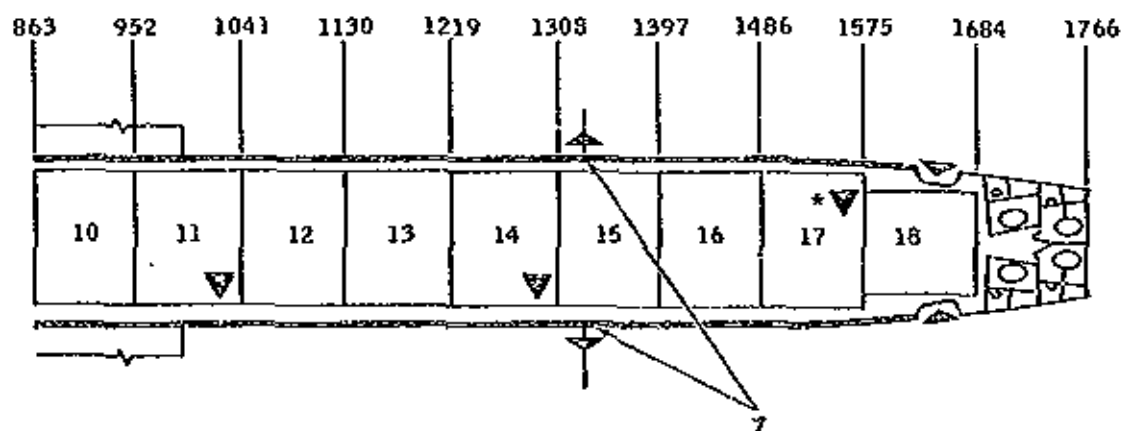
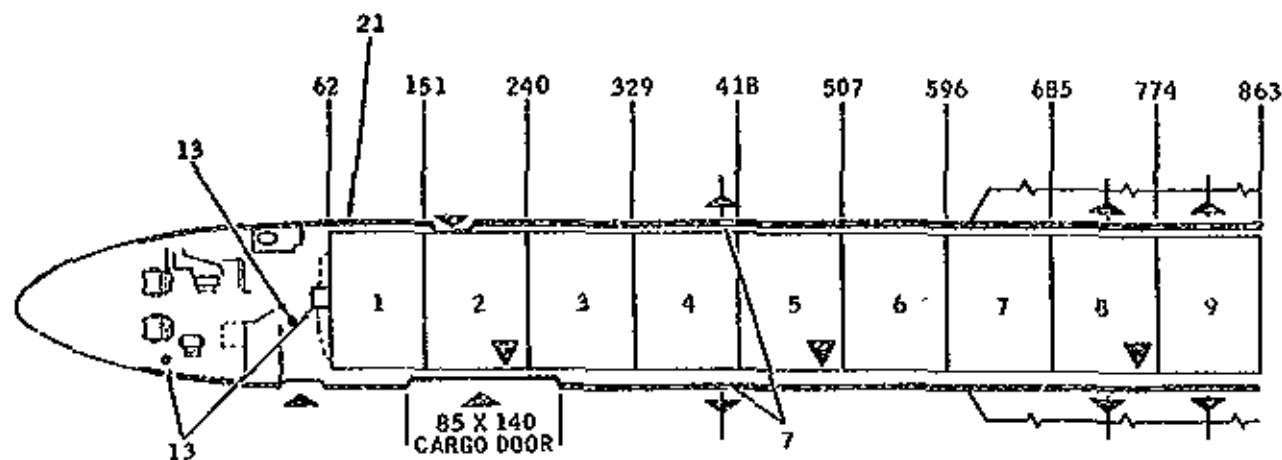


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ALL CARGO (18 PALLETS)
 ITEMS REQUIRED: 13, 20, 21

▼ SMOKE DETECTOR UNITS

* TWO SMOKE DETECTOR UNITS
 UNDER ONE COVER

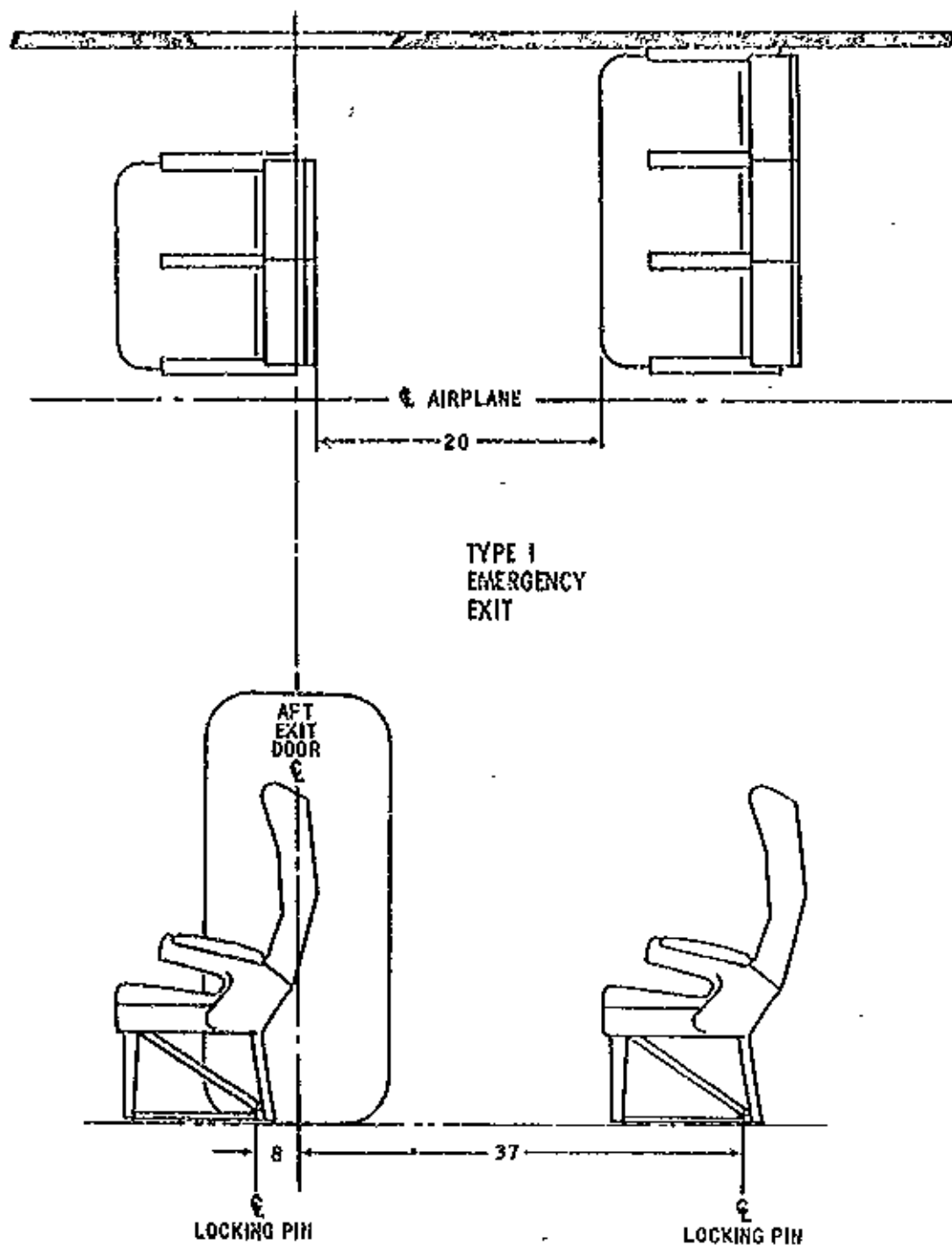
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Cargo/Passenger Conversion
 Figure 201 (Sheet 3)

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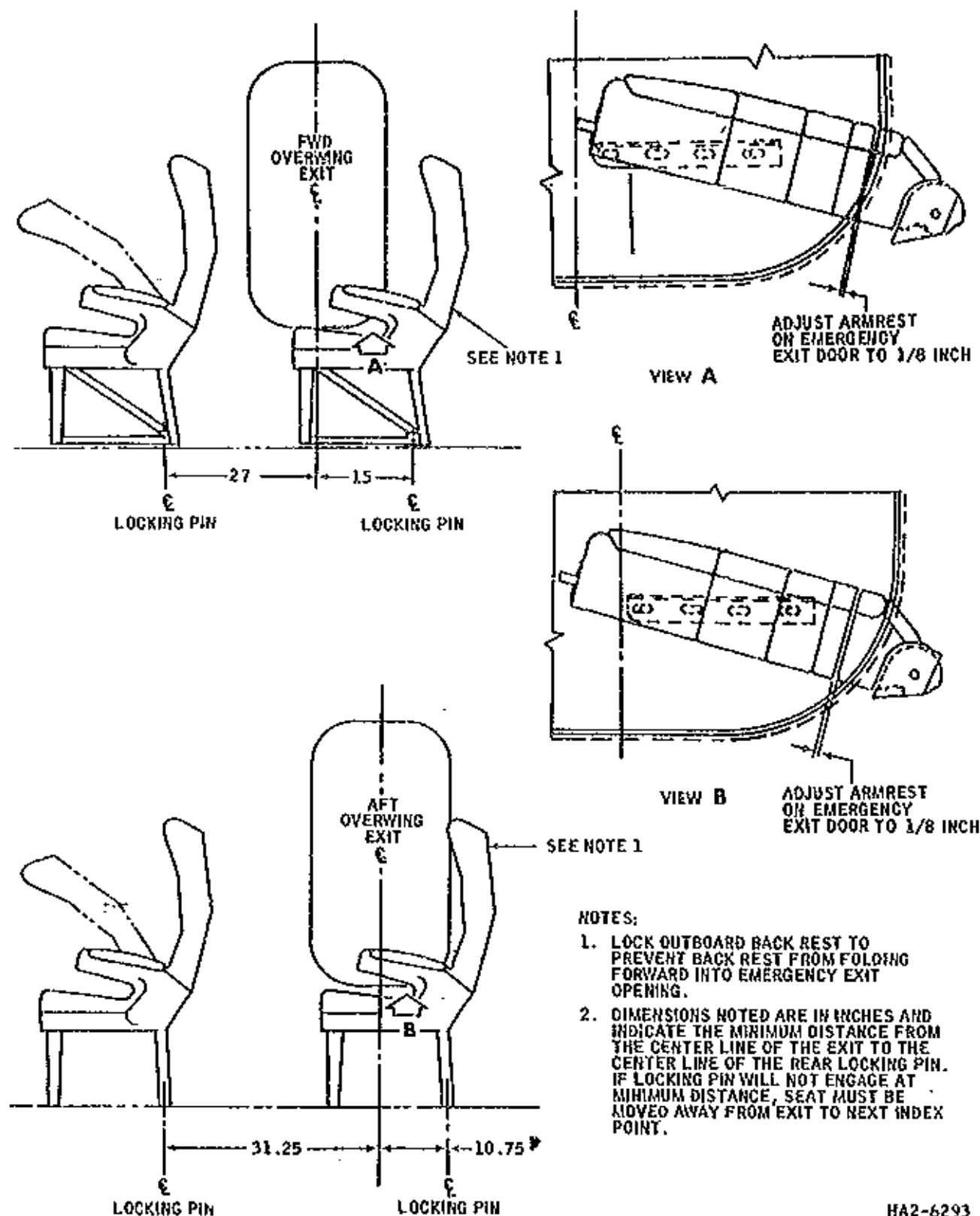
NOTE:

DIMENSIONS NOTED ARE IN INCHES AND INDICATE THE MINIMUM DISTANCE FROM THE CENTER LINE OF THE EXIT TO THE CENTER LINE OF THE REAR LOCKING PIN. IF LOCKING PIN WILL NOT ENGAGE AT MINIMUM DISTANCE, SEAT MUST BE MOVED AWAY FROM EXIT TO NEXT INDEX POINT.

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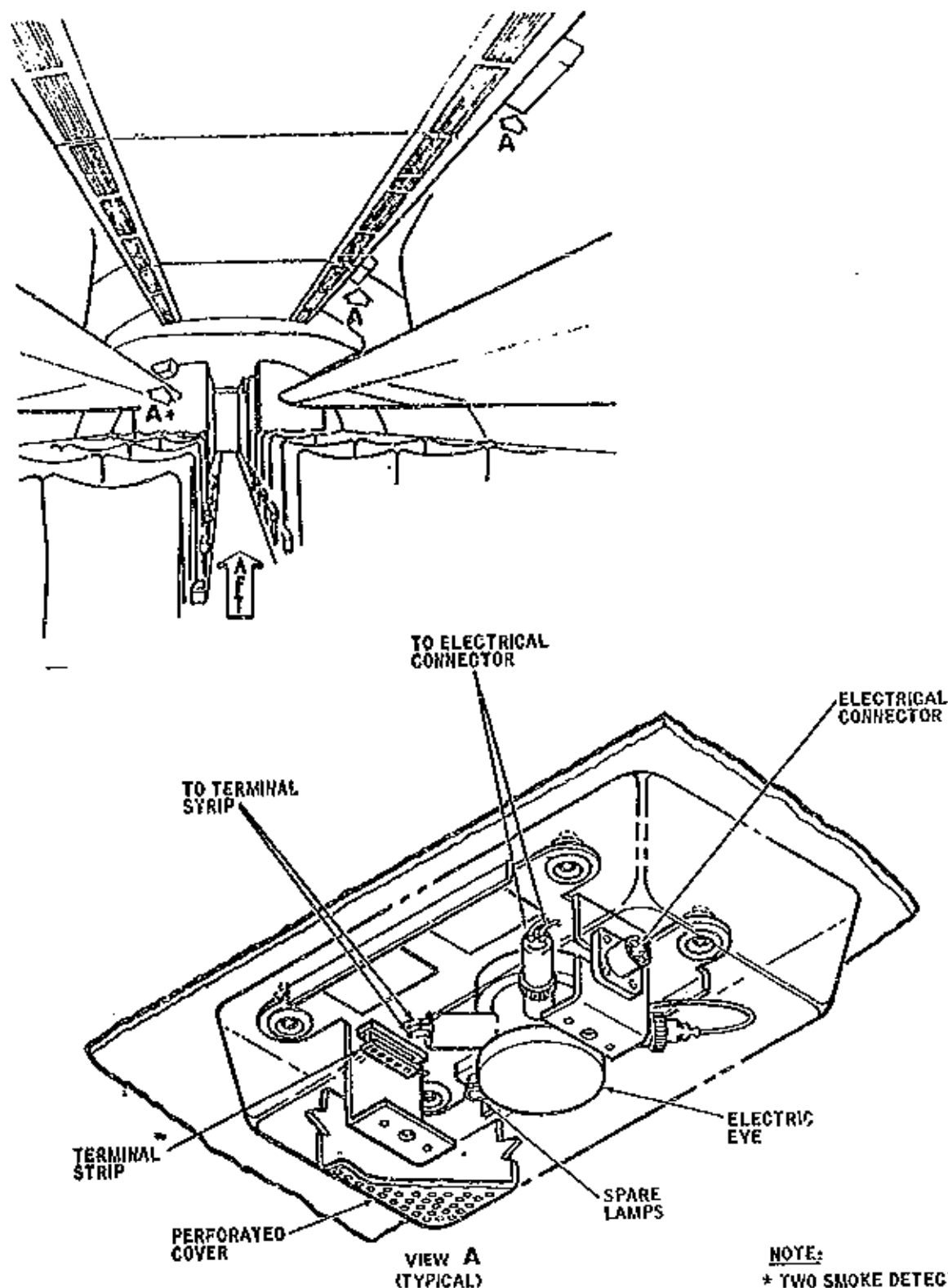
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TYPE III EMERGENCY EXIT



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h. Conversion and Stowage of Cabin Equipment

A. Prepare for Cabin Conversion (Passenger to Cargo)

- (1) Open galley service doors.
- (2) Position one fork lift or pallet loader at each galley service door.

NOTE: The fork lifts or pallet loaders used must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be used for unloading of seats and small pieces of equipment.

- (3) Position small cloth bags and equipment bags for protection of seats at aft galley service door.

B. Recommended Stations, Work Crews, and Assigned Tasks

- (1) Crew No. 1 (6 men) to remove and install equipment in forward section of airplane.
- (2) Crew No. 2 (6 men) to remove and install equipment in center and aft sections of airplane.
- (3) Crew No. 3 (3 men) to remove and load equipment in forward cargo compartment.
- (4) Crew No. 4 (3 men) to remove and load equipment in aft cargo compartment.

NOTE: For maximum efficiency, crews No. 1 and 2 should work simultaneously and independently of crews No. 3 and 4.

C. Remove Cabin Equipment - Forward Section

- (1) Remove evacuation slides and slide containers from passenger entrance and galley service doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seat.
- (3) Remove table from lounge area if required.
- (4) Remove partitions (see Chapter 53).
- (5) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing retaining strips inside rolls, and tie each roll separately.

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- (c) Remove thresholds, cover strips, and floor covering in forward galley area. Replace and tighten screws.
- (6) Remove cargo barrier not attach fitting covers at forward passenger entrance door jamb.
- (7) Convert upper cargo door (see Chapter 52).
 - (a) Remove liners from bottom of door.
 - (b) Remove snap-out panels from door.
 - (c) Remove snap-on covers at floor and on cargo door jamb side panels forward and aft of cargo door.
 - (d) Remove cargo door actuating cylinder cover.
 - (e) Unlatch and open door.
- (8) Unload cabin equipment and position near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed. Place near the forward lower cargo compartment.
- (9) Remove portable oxygen cylinders from overhead stowage racks and stow in aft lavatory.
- (10) Remove oxygen masks from overhead stowage racks and stow in aft lavatory.
- (11) Remove liferaft containers with liferafts.
- (12) Fold down and secure overhead stowage racks in area where seats have been removed (see 25-25-0).
- NOTE: Remaining overhead stowage racks may be folded down as seats are removed.
- (13) Remove panel containing fire extinguishers, oxygen masks and first aid kit from forward coatroom and stow in aft lavatory.
- (14) Disassemble coatroom located forward of galley No. 1 (see 25-41-0).
- (15) Remove forward galley area ceiling panel and galley No. 2 fairing covering water supply tanks (see 25-28-0).
- (16) Remove galley and coatroom headers.

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(17) Disconnect and remove galley No. 1 (see 25-30-0).

- (a) Disassemble galley No. 1 into sections. Place all hardware in a cloth bag and secure bag to one galley section.

NOTE: Disassemble galleys as needed for removal and stowing.

(18) Remove magazine rack from aft face of galley No. 2.

(19) Disconnect and remove galley No. 2 (see 25-30-0).

(20) Remove forward water supply tanks (see Chapter 38).

(21) Disconnect and disassemble unitized lavatory (see 25-41-0).

(22) Install cargo loading system.

- (a) Install cargo loading system hardware for pallet positions No. 1 and 2.

NOTE: Other sections of the cargo loading system may be installed as seats, equipment, and floor covering are removed.

D. Remove Cabin Equipment - Aft Section

(1) Remove containers with evacuation slides from passenger entrance and galley service doors.

(2) Remove aisle and galley curtains and stow in aft lavatory.

(3) Remove miscellaneous stowage compartments located on forward face of galley No. 3.

(4) Disconnect and remove aft galleys (see 25-30-0), and aft coatroom.

NOTE: Disassemble galleys as needed for removal and stowing. Place all hardware in a cloth bag and secure bag to galley.

(5) Fold down seat backs, disconnect legs from seat track, and remove seats.

(6) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the forward lower cargo compartment.

(7) Remove portable oxygen cylinders from overhead stowage racks and stow in aft lavatory.

(8) Remove oxygen masks from overhead stowage racks and stow in aft lavatory.

(9) Remove liferaft containers, with liferafts, from overhead stowage racks.

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- (10) Fold down and secure overhead stowage racks (see 25-25-0).
- (11) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in forward galley area. Replace and tighten screws.
- (12) Remove aft forward lavatories if 88x25 inch pallet is to be used in position 18 (see 25-40-0).
- (13) Remove snap-on covers from dished side panels to provide clearance for pallet No. 17 if required.

E. Remove Cabin Equipment - Center Section

- (1) Remove evacuation slides and slide containers from Type I emergency exit doors.
- (2) Fold down seat backs, disconnect legs from seat track, and remove seats.
- (3) Remove divider partition and header (see 25-24-0).
- (4) Unload cabin equipment and place near forward lower cargo compartment.

NOTE: Other equipment may be unloaded as it is removed and placed near the aft lower cargo compartment.
- (5) Remove floor covering (see 25-27-0).
 - (a) Remove threshold, cover strips, and floor covering at flight compartment entrance. Replace and tighten screws.
 - (b) Roll up carpets, placing retaining strips inside rolls, and tie each roll separately.
 - (c) Remove thresholds, cover strips, and floor covering in forward galley area. Replace and tighten screws.
- (6) Remove portable oxygen cylinders from overhead stowage racks and stow in aft lavatory.
- (7) Remove oxygen masks from overhead stowage racks and stow in aft lavatory.
- (8) Remove liferaft containers, with liferafts, from overhead stowage racks.
- (9) Fold down and secure overhead stowage racks (see 25-25-0).

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F. Cargo Loading System Hardware

- (1) Unload cargo equipment boxes from forward lower cargo compartment.

NOTE: The box containing the ball transfer conveyor assemblies may be opened inside the cargo compartment and the assemblies removed separately.

- (2) After cargo loading system has been removed from boxes, install retaining straps on cargo equipment boxes. Place boxes near forward lower cargo compartment.
- (3) Unload forward barrier net and crew galley if applicable. Place near forward upper cargo door.
- (4) Unload cargo partition sections and hardware.

G. Install Crew Protection and Convenience Equipment

- (1) Install crew galley and horizontal beam.
- (2) Install barrier net.
- (3) Install snap-on panels to close off area of removed water supply tanks.

H. Load Cargo Loading System Equipment Boxes and Cabin Equipment (Forward Lower Cargo Compartment)

- (1) Place cargo equipment boxes in forward lower cargo compartment.
- (2) Stow cabin equipment in lower cargo compartments.

I. Prepare for Cabin Conversion (Cargo to Passenger)

- (1) Open upper cargo door and galley service doors.
- (2) Position two fork lifts or pallet loaders, one at upper cargo door and one at forward lower cargo compartment.

NOTE: The fork lifts or pallet loaders must have a vertical lift of 11 feet. If fork lifts are used, a 7x10 foot pallet should be utilized for loading of seats and small equipment.

- (3) Recommended stations, work crews, and task assignment (see paragraph 4B).

J. Unload Lower Cargo Compartments

- (1) Unload forward and aft lower cargo compartments and place equipment beside airplane near upper cargo door.
- (2) Place empty cargo equipment boxes in airplane cabin for packing cargo loading system hardware.

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K. Remove Crew Protection and Convenience Equipment

- (1) Remove barrier net.
- (2) Remove crew galley and horizontal beam.
- (3) Remove snap-on panels in area of water supply tanks.

L. Remove Cargo Loading System

- (1) Disconnect cargo loading system hardware from floor.
 - (a) Inspect hardware for damage or wear.
 - (b) Pack in cargo equipment boxes.
- (2) Remove loaded cargo equipment boxes from cabin and place near forward lower cargo compartment.

M. Load Forward Lower Cargo Compartment

- (1) Load and secure cargo equipment boxes in forward lower cargo compartment.
- (2) Load and secure all loose equipment not utilized in an all-passenger configuration.

N. Install Cabin Equipment - Aft Section

- (1) Install floor covering (see 25-27-0).
 - (a) Remove screws for installation of thresholds and cover strips.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels using double-face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.
- (2) Install aft forward lavatories, if required (see 25-40-0).
- (3) Install aft galleys (see 25-30-0), and aft L.H. coatroom.
- (4) Install miscellaneous stowage compartments on forward face of galley No. 3.
- (5) Raise and secure overhead stowage racks (see 25-25-0).
- (6) Install liferaft containers with liferafts at locations shown in Figure 201.

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- (7) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (8) Install snap-on covers on dished side panels.
- (9) Install passenger seats (see 25-23-1).

NOTE: Begin to install seats in aft section of airplane and progress forward as conversion of center and forward sections is completed.

- (10) Install aisle and galley curtains.

O. Install Cabin Equipment - Center Section

- (1) Install carpets, using retaining strips inside carpet rolls to secure carpet in place.
- (2) Raise and secure overhead stowage racks (see 25-25-0).
- (3) Install liferaft container with liferafts at locations shown in Figure 201.
- (4) Install divider partition and header.

P. Install Cabin Equipment - Forward Section

- (1) Assemble and install unitized lavatory (see 25-41-0).
- (2) Install floor coverings in doorway and galley areas (see 25-27-0).
 - (a) Remove screws for installation of thresholds and cover strips.
 - (b) Seal area to be covered with mylar.
 - (c) Attach fiberglass panels to mylar, using double-face tape.
 - (d) Attach floor covering to fiberglass panels using double face tape.
 - (e) Install thresholds and cover strips. Replace and tighten screws.
- (3) Install forward water supply tanks (see Chapter 38).
- (4) Install galley No. 1 (see 25-30-0).
- (5) Assemble coatroom located forward of galley No. 1 (see 25-41-0).
- (6) Install galley No. 2 (see 25-30-0).
- (7) Install galley area ceiling panel and fairing on No. 2 galley under water supply tanks (see 25-28-0).
- (8) Install magazine rack on aft face of No. 2 galley.

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- (9) Install galley and coatroom headers.
- (10) Install liferaft containers with liferafts at locations shown in Figure 201.
- (11) Raise and secure overhead stowage racks (see 25-25-0).
- (12) Close and secure upper cargo door (see Chapter 52).
- (a) Install liners and snap-out panels.
- (13) Install carpets, using retaining strips inside rolls to secure carpet in place.
- (14) Install remaining seats (see 25-23-1).

CAUTION: MAKE CERTAIN SEATS WITH RESTRICTED RECLINE AND BREAKOVER BACKS ARE INSTALLED AT OVERWING EXITS.

- (15) Install coatroom and aisle curtains.
- (16) Install partitions and header.
- (17) Install table in lounge area, if applicable.

Q. Install Emergency Equipment (see Figure 201)

- (1) Install evacuation slides on forward and aft passenger entrance and galley service doors.
- (2) Install evacuation slides at Type I emergency exit doors.
- (3) Install portable oxygen cylinders on overhead stowage racks.
- (4) Install oxygen masks on overhead stowage racks.
- (5) Install fire extinguishers (H₂O and CO₂) in aft coatroom.
- (6) Install fire extinguishers (H₂O and CO₂) in forward coatroom.
- (7) Install first aid kit in forward coatroom.
- (8) Check to ensure that all emergency equipment is in place.